THE CHEMIST AND DRUGGIST

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'Your chemist stocks them—'

Wherever there is an 'Allenburys' advertisement the public sees this slogan.

They will see it again in each of the advertisements in the winter campaign for the

'Allenburys'
Glycerine & Black Currant
PASTILLES

These forceful studies have been specially commissioned by us and are due to appear in all the principal periodicals of the day:—
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ALLEN & HANBURYS LTD.,
37 LOMBARD STREET, E.C.3.

There is no fear of dead stock with a live line!

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Wright, Layman & Umney, Ltd.

aim to render the most efficient service to the Pharmacist

By the high Standard of their Products

By adaptability to every new demand

By an ever-increasing radius of motor delivery

Attention is invited to the following items. In each case an advantage is now offered in quality, price or style.

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- Oil of Lemon

POWDERED DRUGS—
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- Tragacanth

CHEMICALS—
- Potassium Bromide
- Sodium Salicylate

GALENICALS—
- Ext. Cascaræ Liq.
- Inf. Senegæ Conc.

PACKED PHARMACEUTICALS—
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- Olive Oil

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- Cold Cream of Roses
- Grasse Roses Shampoo Powders

PERFUMERY—
- "Concentrates"
- Nerolettol

COAL TAR SPECIALITIES—
- Wright's Coal Tar Shaving Soap
- Wright's Coal Tar Shampoo

WRIGHT, LAYMAN AND UMNEY, LTD.
SOUTHWARK – – LONDON, S.E.1.

REAL SUSSEX VIOLETS PERFUME

It possesses the real "earthy" smell of the Sussex Violet.

Also

REAL SUSSEX ROSES

fragrant with the odour of the sweetest Su sex Roses.

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Violet, Lily of the Valley, & Rose. "Drop" Perfume Bottles, attractively boxed, **18/-** per doz.

REAL SUSSEX VIOLET TOILET SOAP

The Soap that makes washing a luxury.

Delightfully Perfumed.

Boxes of 3, **28/-** dozen, retail **3/6**

ARTHUR·H·COX·&·CO·LTD

Manufacturing Chemists

BRIGHTON·ENGLAND

BRIGHTON

TRADE MARK

Established 1839

Cable Address
"COX BRIGHTON"
Codes:-
MARCONI INTERNATIONAL *and* ABC 5th & 6th Edition

For JUST what YOU WANT

IN

GLASSWARE

OF EVERY DESCRIPTION and FOR ALL PURPOSES

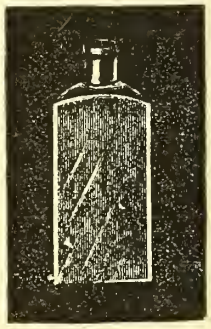
JULES LANG & SON hold stocks in the Provinces ready for immediate delivery, and in their North and West London Depots.

No other firm can claim to hold such a general stock in the Kingdom. NEARLY all your needs can be met on request: Limes, Medicals, Vials, Tobins, Mexicans, Cheltenhams, Male and Ear Syringes, Kalis, Opal Pomades, Flint Pomades, Smelling Salts, Panels, Cannons.

For the convenience of London customers who have not the accommodation we are prepared to deliver bottles washed.

Kali

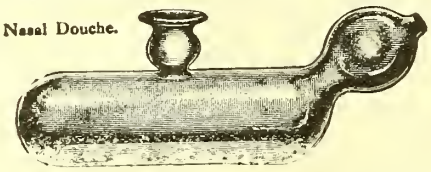
Lime



Medical

Tubes of all sizes, Test Tubes, Douche Linings, Burettes, Separating Funnels and many other lines in Chemical and Laboratory Glassware.

Nasal Douche.



Two-ended Feeder.

SPECIAL NOTICE to our PROVINCIAL CUSTOMERS.

We have stocks of 4-oz. Plain and Graduated Medicals, 2nd quality, tinted, in Hull, which we are offering at **15/6** per gross net, free Hull. Also 3-oz. at **12/-** per gross, net, free Hull.

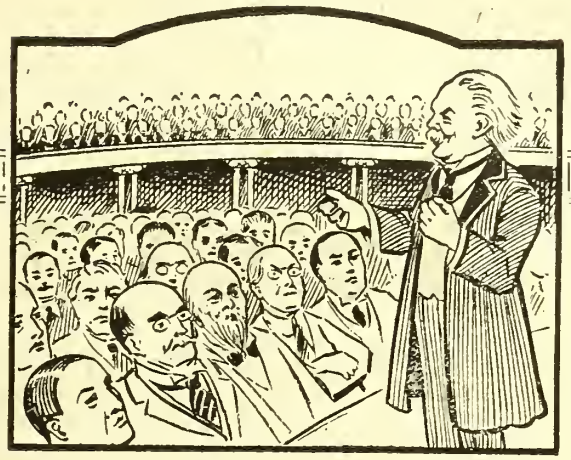
WHOLESALE ONLY. NO RETAIL FIRMS SUPPLIED.

JULES LANG & SON

Charlton Works, Charlton Place, Islington, LONDON, N. 1.

Telephones: North 2770-2 (three lines)
Telegrams: "Assorted, Phone, London."

Codes: A B C, 5th Edition; Scott's, 10th Edition (1906); and Bentley's Complete Phrase Code.



Organisation *and* Specialisation

WE have just been told by the Premier that there is nothing so valuable for the trade of this Country than that all great Business Houses should be fully organised, and thoroughly equipped for the furtherance of Trade and Commerce.

Sir Eric Geddes informs us: "The money spent on advertising, if spent sensibly, skilfully, and ably, is true economy." No one will doubt the sense of such recommendations, because organisation and specialisation is the bulwark of advertising, and no business can succeed without it.

The true ethics of advertising is to place upon the market a good, reliable article, in the most attractive and artistic form, so that it will catch the eye of the consumer, and thereby compel him to purchase.

The Firm of T. W. & S. Ltd. have now been established over 40 years, and have during that time specially interested themselves in those things that appertained to the welfare of the go-ahead Chemist. They are fully organised to do his Printing of every description, and are specialists in undertaking and furthering his advertising schemes. Their experience, gathered by years of patience, thought, and consideration, by a staff who have given a life's study to the great work of specialisation in Chemists' Printing, is invaluable to all in the Trade.

Advertising is true economy, and artistic and good printing is cheap. Commonplace, insipid printing is sister to "quackery," and only spells "ruin" to the man who deals in it. T. W. & S. Ltd. will have none of it. Their reputation is too great to have it sacrificed on the altar of commonplace work.

Now is the time, when trade is slow, for the enterprising Chemist to attract the public to his products. Put yourself in communication with the firm of T. W. & S. Ltd., who have the unsullied reputation of Class Production, and partake of their world-wide knowledge of the requirements of the enterprising Chemist. They specialise in Chemists' Printing.

Write for samples, and compare them with others—we do not fear the result.

We are out to do your work well—it may cost you a little more, but what is that if it gives you satisfaction. Quality always pays both in Printing and Drugs.

Thomas Waide & Sons Ltd.

Chemists' Printers——LEEDS.

Glaxo

3/- (12 oz.) & 7/6 (32 oz.) sizes to be discontinued

and replaced by a

NEW 5/- SIZE

(CONTAINING 20 OUNCES)

The alteration will be effected gradually as stocks of 3/- and 7/6 sizes become exhausted, and these sizes should be sold off before the new size is offered. *No stock will be replaced on this account.*

DISCOUNTS AS USUAL

Slight alteration in value of Special Terms Orders and Quantities on which carriage will be paid.

Retail Price.	Small Orders.	Order value not less than £6. 1s. 7d.	Order value not less than £11. 17s. 0d.
1/6 per tin	14/5 per doz.	14/- per doz.	13/8 per doz.
5/- ,, ,,	48/- ,, ,,	46/9½ ,, ,,	45/7 ,, ,,

The Special Terms for goods to the value of *£6. 1s. 7d.* and upwards apply only when the Glaxo is ordered in *complete dozens,* with *a minimum of 2 dozen for the 1/6 size.* Carriage will be paid to the nearest railway station on goods to the value of not less than £3. 16s. 10*d.* net.

All Orders to be addressed to the Chemist's usual Wholesaler, or to the Glaxo Distributing Agents as follows
SANGERS, 42a HAMPSTEAD ROAD, LONDON, N.W. 1.
SANGERS, OLD INFIRMARY BDGS., NEWCASTLE-ON-TYNE.
WILLIAM HILL, WATSON STREET, GLASGOW.
JOHNSON BROS., GREAT SHIP STREET, DUBLIN.
JOHNSON BROS., DUNCRUE STREET, BELFAST.

Full particulars in February number of Glaxo Service Bulletin
sent free, on request, by Sales Manager, Glaxo, 155 Great Portland Street, London, W.1.

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Reliable House for all Pharmaceutical Preparations

Concentrated Waters.
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Syr. Glycerophos Co.

"Silver Churn" Dairy Specialities.

MANCHESTER.

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ESSENFLOUR PRODUCTS LTD.

MYSORE (S. INDIA)

Distillers of Essential Oils and Manufacturers of Perfumery Products

AMBRETTE SEED OIL
CARDAMOM OIL
CALAMUS ROOT OIL
CORIANDER OIL
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CLOVE OIL B.P.
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GINGER OIL
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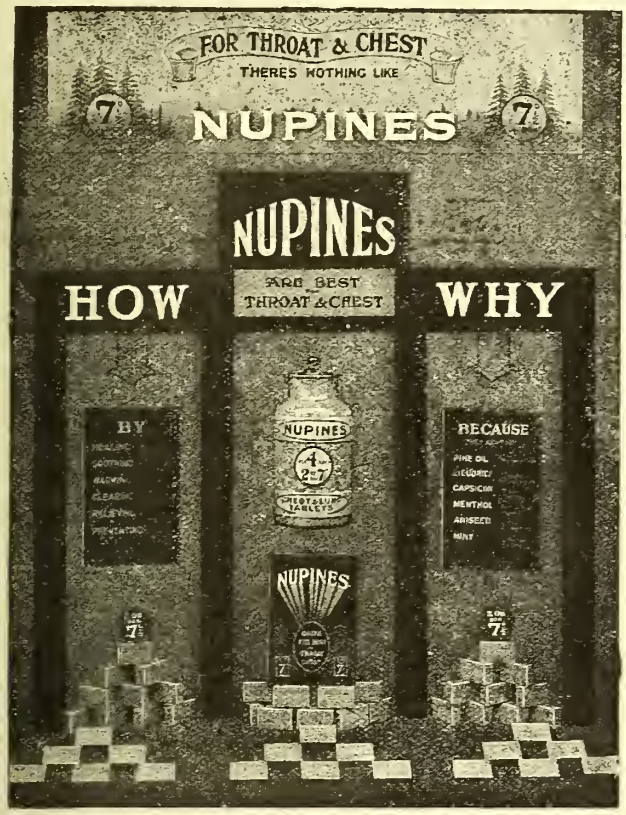
Sole Agent for Europe—

K. B. MAVLANKAR

26/27 Hatton Garden, LONDON, E.C.1.

and 29 Corporation Street, MANCHESTER.



The "Busy" Pharmacists Window

THEY COST
28 lb. 2/1 lb. ; 56 lb. 2/- lb. ;
1 cwt. 1/11 lb.

COMPLETE SHOW & 200 CARTONS FREE with 56 lb.

NUPINES: The World's Pine Tablet

There must be a reason why we make and sell so many tons of this popular Pine Tablet. In fact, there are several : Pleasant to the taste ; do not break up in the mouth but slowly dissolve right down to a wafer ; a window display that talks the goods ; and last, but not least, a good guaranteed profit for YOU.

Displays now running in nearly every town in the United Kingdom. Keep a good stock.

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W·B·CARTWRIGHT·LTD.

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MAARSSEN

QUININE and QUININE SALTS.

Unexcelled in Uniformity of Quality,
Brilliant Crystallisation and Purity of Colour.

CINCHONINE, CINCHONIDINE, QUINIDINE,
and their SALTS.

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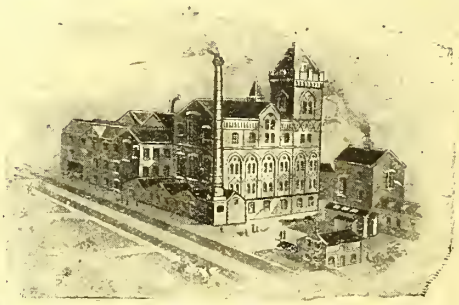
AGENTS.— R. W. Greeff and Company, Ltd.
Thames House, Queen Street Place,
LONDON, E.C.4.

"John Bull" (REGD.)



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and
COD LIVER OIL

IS THE BEST!!

Supplied in Bulk, Jars, Cardboard Containers, &c., for Wholesale and Export only.

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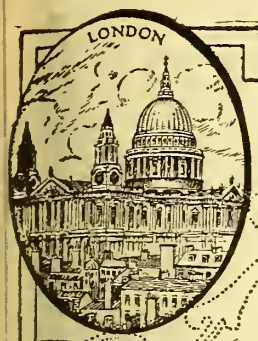
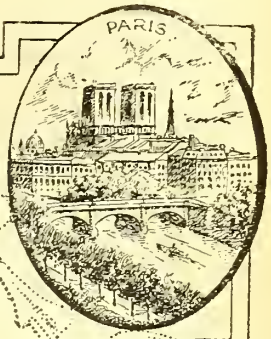
PAINE & CO., LTD., ST. NEOTS, HUNTS.





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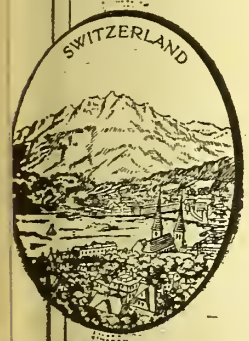
AND
PHOTOGRAPHIC PRODUCTS.



R. W. GREEFF & Co., Ltd., offer at lowest prices the following products:

(WHOLESALE QUANTITIES ONLY)

Acetanilid	Guaiacol Carbonate	Potash Sulpho-Guaiacolate
Acetone	Hexamine	Quinidine and Salts
Acetyl Salicylic Acid	Homatropine & Salts	Quinine and Salts
Acid Lactic	Hydroquinone	Quinine Ethyl Carbonate
Amidol	Ichthyol Substitute	Quinoidine
Amidopyrin	Kelene	Resorcin
Barbitone	Lemon Oil	Saccharin
Benzoic Acid	Lithia Carbonate	Salicylic Acid
Benzamine Hydrochlor	Lecithin	Salicylate of Soda
Benzamine Lactate	Menthol	Salol
Benzo Naphthol	Mercurials	Soda Benzoate
Beta Naphthol	Methylene Blue Medicinal	Soda Hyposulphite
Bromides	Methyl Salicylate	Soda Sulphite Anhydrous
Calcium Lactate	Metol	Sugar of Milk
Chloral Hydrate	Paraldehyde	Tannic Acid Leviss
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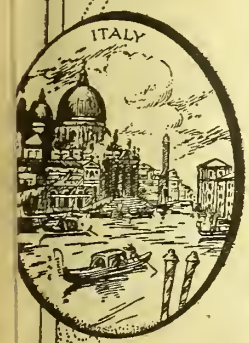
Cinchonidine and Salts	Pepsine	Tartaric Acid
Cocaine	Peptone	Terpineol
Creosote Carbonate	Phenacetin	Terpine Hydrate
Eucalyptus Oil	Phenazone	Theobromine
Gallic Acid	Phenolphthalein	Thymol Crystals
Glycerophosphates	Pyrogallic Acid	Vanillin



R.W.Greeff & Co., Ltd.

THAMES HOUSE, QUEEN STREET PLACE,
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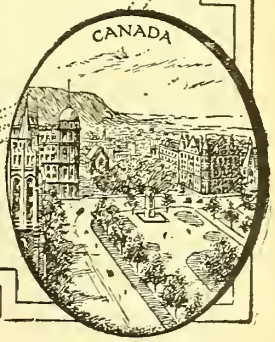
MANCHESTER BRANCH
Lloyds Bank Buildings,
King Street.

NEW YORK AGENTS
R. W. Greeff & Co., Inc.,
73 Front Street.



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GENUINE REFINED YELLOW BEESWAX

In ½-oz., 1-oz., 2-oz. and 4-oz. rounds.

PURE ENGLISH REFINED SPERMACETI.

HARD REFINED STEARIC ACID

WAXES of every known kind and for every purpose

The only actual Manufacturing Wax Chandler in the City of London.

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IMPORTANT ANNOUNCEMENT.

On and after February 1st, 1921.

Enolin

TOOTH PASTE

Will be retailed at **9d.** and **1/3** per Tube (P.A.T.A.)

Write for our new Price List.

A. & E. CARRERAS LTD. 207 KING STREET, Hammersmith, London, W.6.

Maw's Page

January 29, 1921 No. 485

Considerably over a century of successful trading is an achievement for any business house. The House of Maw has 113 years to its credit, and we regard this as conclusive evidence of Perseverance, Dignity & Stability.

But the House of Maw has something also to its credit which we regard as still more important, and that is the fact that as it has advanced in years and experience it has retained all the strenuous energy and enthusiasm of youth.

To-day the House of Maw is distinguished by the modernity and originality of its methods. In every department of the House you will find modern methods combining with the utmost energy and enthusiasm to secure for the retail chemist the best possible service.

In one respect only the House of Maw prefers to remain old-fashioned, and that is in its policy of loyalty to the chemist. But a sound principle remains sound in spite of age, and therefore our policy is always up to date.

Maw's Goods are supplied only to the chemist. We refuse orders daily from other classes of retailer. Our policy protects the chemist from outside competition because Maw's Quality ensures repeat orders and the business which results must come through the chemist.

Restrict your competitors by buying from Maw's —The Ancient House with Modern Methods.

Telephone: City 7 Private Branch Exchange

Telegrams: Eleven Cent London

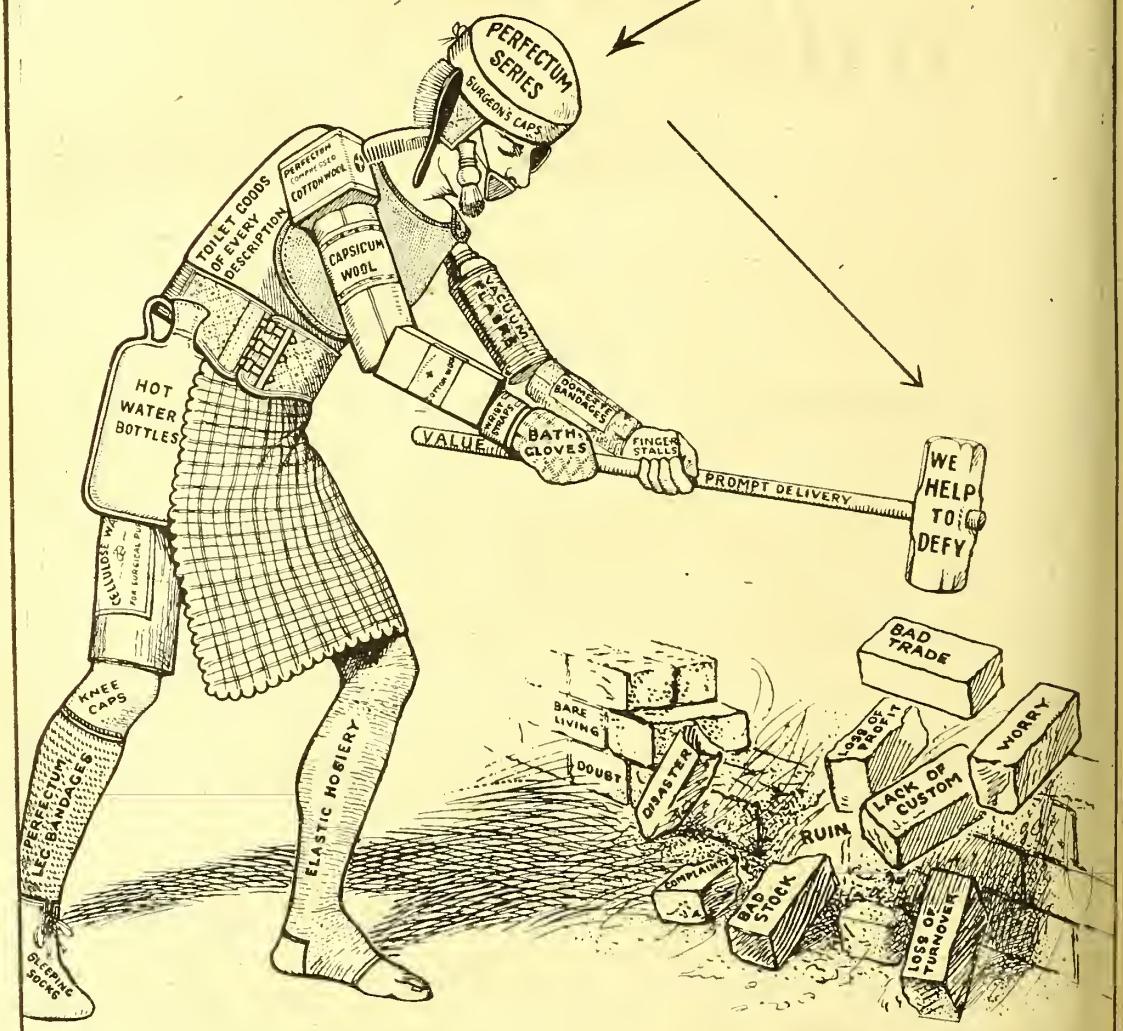
S. Maw, Son & Sons. Ltd., London, England.

TRADE MARK

Cables: Eleven London

Code A.B.C. 4th & 5th Edition

On the strength of



Your Enquiries Respectfully Solicited.

Arthur Berton Ltd.

Tel. No: Clerkenwell 1347/8/9 15/17, Worship St., London, E.C.2.
Tel Add: "Aybelim, Finsquare, London" 11, Miller St., Glasgow.

Trade bad?

—here's the Remedy

Let us undertake the whole of your Advertising and Sales Distribution.
Our organisation is complete in every detail, and any and every phase of publicity can be successfully handled.

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For preparing Advertising Campaigns, effective "layouts" and "copy," and placing in the best papers suitable for the particular class of goods.

Selling Organisation

by which, at shortest notice, any territory in the United Kingdom can be covered by experienced travellers, and a trade demand created for any product.

Commercial Art Studio

An up-to-date department for producing high-class designs and sketches including Press Advertisements, Posters, Showcards, Attractive Labels, etc.

Photographic Studios

Fully equipped for handling any branch of commercial photography. A special staff for outdoor work.

Each Section is in the charge of an expert.

The entire responsibility of your Advertising and Sales Distribution can be taken off your shoulders and assumed by us. As specialists in business development, possessing such an organisation for concentrated effort, we cannot fail to increase your sales and develop your business.

Write to us TO-DAY and let us discuss your business problems, or send you a copy of our House organ, "*The Gimlet*," which tells in an interesting way how we can serve you for better business. Sent to principals only on request preferred on business letterhead.

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Crockford-Hales Service Ltd.

SPECIALISTS IN BUSINESS DEVELOPMENT

182-3 FLEET STREET, LONDON, E.C. 4.

Telephones : Central 3118, 3075.

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TEASDALE'S
ORIGINAL
Chlorodyne
Which does not require the customer's signature on purchase.

Prof. O'Phelps Brown's
NATURE'S
Herbal Remedies

CASSO
THE CLEANSER
per tin 8d. & 1/3

Warnol Preparations For the Hair

Keenolia Toilet Preparations

ARE PREPARED AT THE LABORATORIES OF THE PROPRIETORS:

The Casson Chemical Company Ltd.,
WESTBOURNE HALL, W.2.

For Export and Wholesale Prices apply to 44a WESTBOURNE GROVE, W.2.
General Supplies may be obtained from all the Leading Wholesale Patent Medicine Houses.

Telephones: Park 2884, 5568, 4287.

AYRTON'S WEEKLY PAGE 15

Don't miss Sales

by being out of stock of

Ayrton's Skin Cream

(Vanishing)

Now P.A.T.A., per pot **1**/- Wholesale, per doz. **8**/-

Daily the demand is growing for this attractively packed and profitable Face Cream retailing at a popular price. Take advantage of our Special Bonus Offer and make a window show, it will increase your profits as well as sales.

Special Bonus Offer

With an order for one gross of Ayrton's Skin Cream (Vanishing) at per gross **96**/-, we will send one dozen free of charge, making it the most profitable face cream retailing at a popular price.

Advertising Material

The showcard has been specially designed, and is exquisitely printed in four colours. In addition we supply window posters, blotters and book marks—they make sales easy.

Write to-day for Price List of Ayrton Toilet Articles and Household Remedies, specimen blotter and book mark.

London Agents—
J. C. GAMBLES & CO.
49 FARRINGDON STREET
LONDON, E.C. 4

AYRTON, SAUNDERS & CO. LTD

Manufacturing Chemists **LIVERPOOL**

100% Satisfaction

Which would YOU sooner do?

SELL some doubtful nostrum—and lose the confidence of your customers? Or, recommend an honest remedy which you know will give satisfaction?—They are

worth a lot to you,

those satisfied customers. It's 100% satisfaction every time with Hood's Medicine. More than 40,000 letters of praise received in two years bear testimony to its efficiency.

14 Herbal Ingredients.

What each of them does is plainly indicated on every carton. The "get-up" looks good, the tablets look good—they *are* good—

they do what they claim to do.

A special exclusive process of manufacture, covering 3½ weeks, makes imitation impossible.

HOOD'S MEDICINE

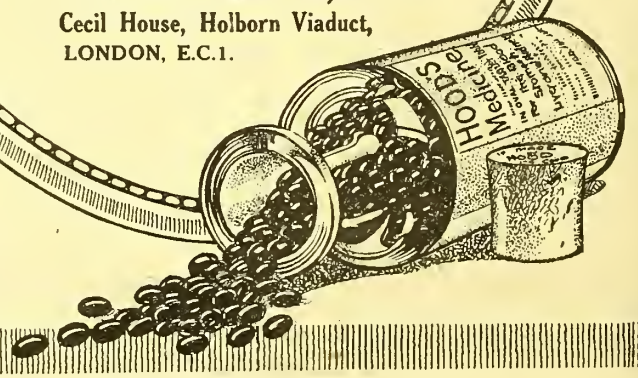
is a blood purifier and blood creator in one—for Blood, Stomach, Liver and Kidneys.

The goods cannot deteriorate, they are packed in glass bottles and substantially wrapped.

The P.A.T.A. Profit is assured.

C. I. HOOD & CO., LTD.

Cecil House, Holborn Viaduct,
LONDON, E.C.1.



THE CACHOU OF QUALITY

THERE is no other Cachou quite like "Briar Violet." Certainly there is no other Violet Cachou that has just the same rich, true and lasting flavour.

In an advertisement these merits can only be recorded, but in the actual Cachou they are so obvious that a sample (sent free to any Pharmacist on request) will instantly demonstrate them and will at the same time explain why ordinary Violet Cachous have to be sold at a rather lower price than "Briar Violet" Cachous.

THE PACK.

The Cachous are hand-made, oval in shape and rather thickly rolled. Their colour is rich violet. Bulk packages are richly labelled in green and violet on a deep cream ground. The pocket tins are of imitation oxydised silver, with design in green and violet. The lid label of the display outer is a beautiful specimen of lithography in nine printings, the outer itself being covered with a very high-class French box-paper showing violets on a gold ground.

THOMAS KERFOOT & Co LTD
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1797.

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ALKIA SALTRATES AND REUDEL BATH SALTRATES

The extreme height of perfection in salines. The best that can be produced regardless of cost. (3/3 P.A.T.A.).

The best of all bath preparations, either for medicinal or general toilet use. (2/- and 3/3 P.A.T.A.).

They never stay long on your shelves, because they please the customer EVERY TIME.

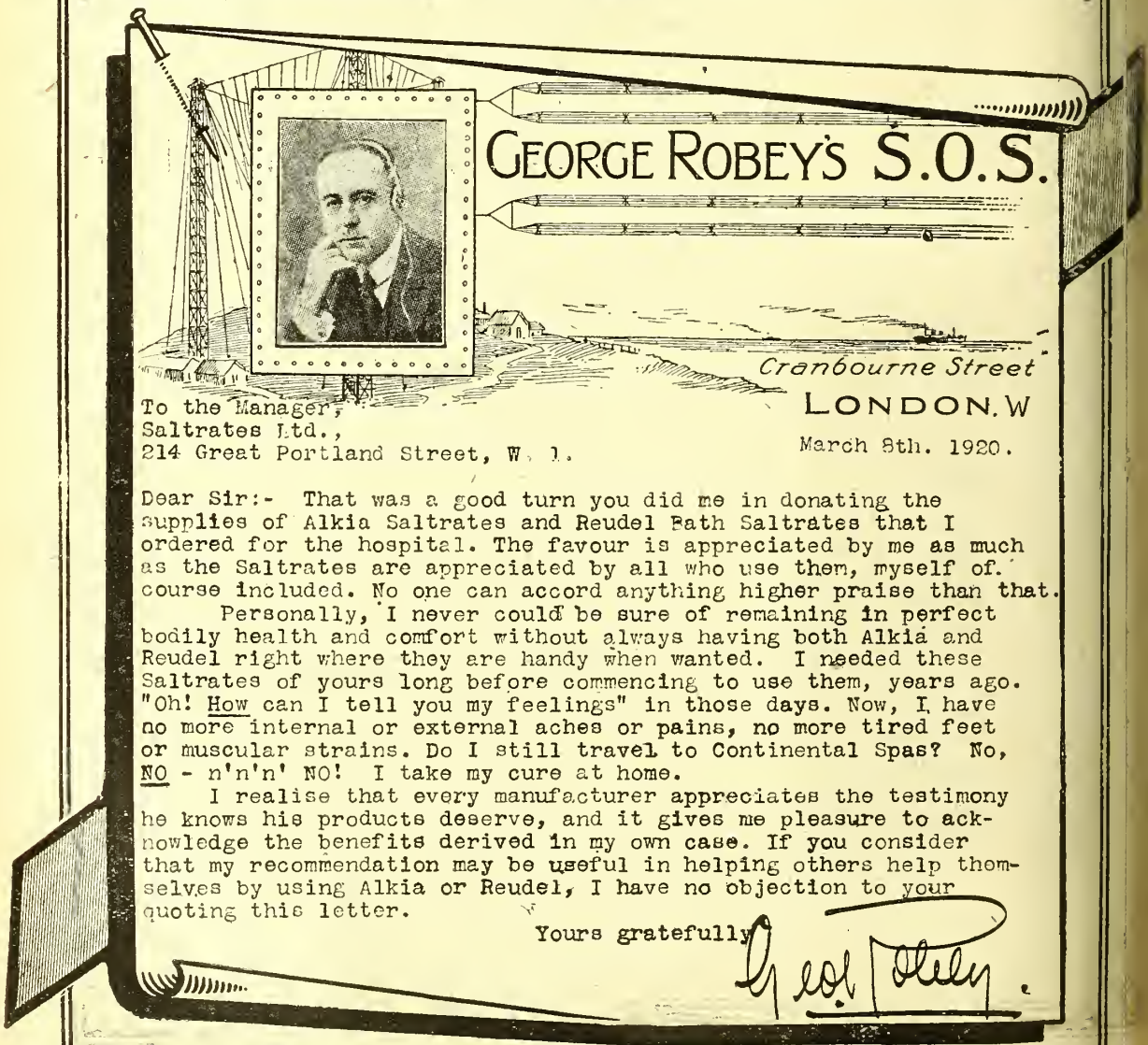
Never Let Your Stock Run Too Low.

NO STOCK — NO SALES.

A LETTER THAT EVERY CHEMIST SHOULD READ.

"Do I still have to travel to Continental Spas?
No, *NO*,—n'n'n' NO. I take my cure at home,"

Says **GEORGE ROBEY,** the inimitable comedian, who, like Harry Lauder and numerous others amongst the really great stars of the theatrical firmament, has joined the long list of prominent men and women who have used our Saltrates with results so pleasing that they have kindly written us in grateful acknowledgement of the wonderful benefits derived No other preparations in the world have ever received such endorsement. The following letter is here reproduced by special permission. SALTRATES, LTD.



To the Manager,
Saltrates Ltd.,
214 Great Portland Street, W. 1.

March 8th. 1920.

Dear Sir:- That was a good turn you did me in donating the supplies of Alkia Saltrates and Reudel Bath Saltrates that I ordered for the hospital. The favour is appreciated by me as much as the Saltrates are appreciated by all who use them, myself of course included. No one can accord anything higher praise than that.

Personally, I never could be sure of remaining in perfect bodily health and comfort without always having both Alkia and Reudel right where they are handy when wanted. I needed these Saltrates of yours long before commencing to use them, years ago. "Oh! How can I tell you my feelings" in those days. Now, I have no more internal or external aches or pains, no more tired feet or muscular strains. Do I still travel to Continental Spas? No, NO - n'n'n' NO! I take my cure at home.

I realise that every manufacturer appreciates the testimony he knows his products deserve, and it gives me pleasure to acknowledge the benefits derived in my own case. If you consider that my recommendation may be useful in helping others help themselves by using Alkia or Reudel, I have no objection to your quoting this letter.

Yours gratefully,

Geo. Robey.

CG&Co Ltd TRADE MARK

MAKE SURE OF YOUR SUPPLIES of

UNIVERSAL EMBROCATION

—The EMBROCATION with a REPUTATION.

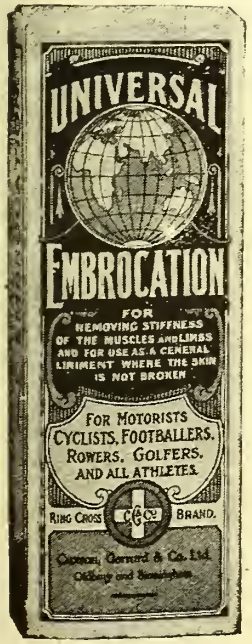
A permanent Egg Emulsion of Turpentine, Acetic Acid and Methyl Salicylate.

E 640. 4-oz. bottles, per doz. **8/6**

E 642. 4-oz. bottles, in cartons, as illustrated ,, **10/3**

In bulk, **11/-** per gallon.

Gross quantities printed with customer's name.



Cuxson, Gerrard & Co.

LIMITED

OLDBURY, near Birmingham

Export and Colonial Inquiries Invited

South African Agents:
All-British Agency Co.,
10 Main Street, Port Elizabeth.

TERPENELESS OILS
BRITISH MADE

We manufacture exclusively ourselves all kinds of Terpeneless Oils, and invite inquiries from users throughout the world.

WE SPECIALISE IN TERPENELESS:

Anise (Anethol)
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Bergamot
Caraway
Cassia
Cinnamon
Clove
Dill
Geranium
Ginger
Juniperberry
Lavender
Lemon
Limes
Mandarin
Nutmeg
Orange
Peppermint
Petitgrain
Rosemary

CITRAL
EUCALYPTOL

CINNAMIC
ALDEHYDE
GERANIOL

SICILIAN
LEMON - BERGAMOT
ORANGE - MANDARINE.
SPINELLI

The Oils that have a Long Reputation for Quality.

In the manufacture of our Terpeneless Oils it was imperative that we secured the very finest Sicilian Oils to work upon. After several exhaustive tests we came to the conclusion that the "SPINELLI" brand of Sicilian Oils gave us the best results. As we were able to place large orders for our own needs with the manufacturers, we have pleasure in stating that they have entrusted us with their British Agency, and we offer to users of Sicilian Oils the benefit of our experience. There is a quality in every package. Guaranteed Genuine Oils of authentic origin, and to conform to any analysis as to purity.

HOLLANDS DISTILLERY LTD.
Lavington Street, Southwark, LONDON, S.E. 1.

A B C Code, 5th Edition.
Western Union.

Telegrams: "LANDSLOH LONDON."
Telephone: Hop 898.

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FOR
ESSENTIAL OILS, FRUIT ESSENCES,
SYNTHETIC PERFUMES & CHEMICALS,
FOOD COLOURS, etc.

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(Sole Agents for Rudolf Lauche.)

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— BULGARIAN —
OTTO DE ROSE

Guaranteed by —
F & A. Swanzy Limited.
West Africa House Kingsway.

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THE "D & O" BRAND

is the "Standard of Quality" for

OILS of BAY, CEDARWOOD, PATCHOULI, PEPPERMINT, SASSAFRAS, ETC.
BALSAMS of Copaiba, Peru, Tolu,
TONKA BEANS, Angosturas.

Phone— CITY 2468.

Telegrams— "EGDARF, FEN, LONDO

ROSE & CO.

Brillantine-Chlorophyll

THE ONLY COMBINATION.

Write for SAMPLES and QUOTATIONS.

HAARLEM - HOLLAND.

RESTUCCIA'S Pure Sicilian Oils.

LEMON ORANGE BERGAMOT

Finest quality with a world-wide reputation.

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CITRUS BRAND and MANUFACTORY
(G. A. RESTUCCIA, Manager)
MESSINA - - ITALY.
(Established 1860)
LONDON AGENTS:
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QUALITY, APPEARANCE and PRICE.

These are three considerations the keen distributor has to bear in mind. If you study these points it will pay you to send for our Price List.

ALL ORDERS CARRIAGE PAID and COMPLETE SATISFACTION GUARANTEED.

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4 Clerkenwell Green, LONDON, E.C. 1

Manufacturers of all Kinds of Perfumes and Toilet Preparations.

Phone: 9693 CENTRAL

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Acid Butyric
Acid Cinnamic
Anethol
Amyl Butyrate
,, Formate
,, Salicylate
,, Acetate, Confectionery
,, ,, Technical
,, Valerianate
Anis Aldehyde (Aubepine)
Benzyl Acetate
,, Alcohol, Best
,, ,, Techn.
,, Valerate
Benzaldehyde
Benzyl Benzoate
Cinnamic Aldehyde
Citral, No. 1
,, No. 2
Citronellol
Coumarin 100%
Ether, Acetic
,, Œnanthic
,, Benzoic
,, Rum
,, Butyric
,, Valeric
,, Formic
Eucalyptol
Geraniol Acetate

Courtin & Warner

CHEMICALS, DRUGS, ESSENTIAL OILS, SYNTHETICS, Etc. Etc.

FOR

Wholesale Chemists, Druggists, Soap Makers, Confectioners and Allied Trades.

List of Chemicals, Drugs, etc., will appear in next issue.

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Telephone—
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Codes—
LIEBER'S; A B C, 4, 5 & 6 ED.; BENTLEY'S.

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Jascinthe
Jasmin, Pomade
Linalyl Acetate
Linalool
Mayaline
Methylacetophenone
Methylanthranilate
Methylbenzoate
Methylsalicylate
Muguet "Surfleur"
Musk, Tonquin
,, Xylol
Neroli, Surfleur
,, Artificial
Phenol Ethyl Alcohol
Rhodinol
Rose (Exquisite)
Sassafras
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Terpinol
Vanilline 100%

(2)

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IN CASES OR BARRELS

Peanut — Soya Bean
Maximum 2% Acidity
Linseed — Rapeseed
Peppermint — Cocoanut

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(Farina)
VEGETABLE WAX
INSECT POWDER
CAMPHOR, REFINED

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Our firm is entirely owned and operated by British and Americans.

THE MUTUAL TRADERS
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Cable Address: "SIMSLAND."

(8)

Buy from the Actual Distillers.

EUCALYPTUS

B.P. & U.S.P. **OILS** 60/65% 70% 75/80%

EUCALYPTUS AMYGDALINA
EUCALYPTUS CITRIODORA
EUCALYPTOL (CINEOL)

We will quote you C.I.F. afloat or ex London Stocks.

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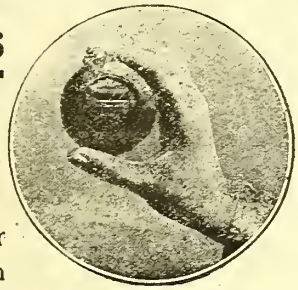
Beaverpufs AND Nupufs.



The popular leather and fur puffs, which sold so rapidly last year that advertising had to be withdrawn.

BEAVERPUFS ... BROWN FUR.
NUPUFS ... ... WHITE FUR.

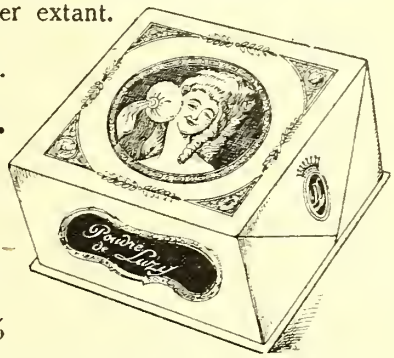
4/6 Retail. 36/- Dozen.

In Display Boxes of ½-dozen.

Poudre de Luzy.

The daintiest line of French Face Powder extant.

RETAIL.
10½d.
1/9
3/6
less 33⅓%



W. H. CALNAN & CO., Ltd., 30-32 Ludgate Hill, E.C.4.

Shipkoff's Pure Otto of Rose

The TEST of Cheapness is QUALITY—not PRICE

SHIPKOFF'S OTTO OF ROSE is the Cheapest, because it is the *Best Otto* in the market. It is the *Standard Brand*—always *pure, uniform* and *one quality only*. Before placing your contract, be sure to get Shipkoff's sample and price, and try it. Original Sample Coppers in 1, 2 and 4-oz. sizes.

ONCE TRIED—ALWAYS USED.

Highest Awards at all Universal Expositions, including Four Grand Prizes.

Shipkoff & Co., Kazanlik, Bulgaria.

BRANCH OFFICE IN SOFIA.

Model Steam Factories in Kazanlik, Kalofer, Kerlovo and Rahmenlari. London Depot—

G. P. & J. BAKER, LTD., 5 Giltspur St., Newgate St., E.C. 1.

A. GIDLOW & CO.

(ESTABLISHED 1896)

Broom Lane, Levenshulme, MANCHESTER.

MANUFACTURERS OF

SHAVING CREAMS

Packed in 1-lb., 2-lb., 7-lb. Boxes and 56-lb. Cases.
Also packed in Collapsible Tubes.

PROPRIETORS & MANUFACTURERS OF

RENARD'S POMADE HONGROISE

Also supplied in unlabelled Tubes and Bulk.

SAMPLES AND PRICES ON APPLICATION.

WHOLESALE ONLY.

"IRISH ELEGANCE" [Regd.]

The Winning Perfume—Fragrance of Midsummer Roses.

In three sizes	*Wholesale*	*Retail*
Small	28/- doz.	3/6
Medium	48/- „	6/-
Large	168/- „	21/-

Usual Trade Terms.

PRODUCT OF

The EVAN-WILLIAMS Co., Ltd.

18-18a Ogle Street, London, W. 1.

SHOWCARDS SUPPLIED.

BOURJOIS

PARIS

POUDRE de RIZ de JAVA

POUDRE de RIZ de JAVA is now REDUCED to

No. 45	1-doz.	**10/-**	per doz.
6	,,	**9/9**	,,
12	,,	**9/6**	,,

The price to the Public will not be reduced until Feb. 1, when it will be **1/3** per box.

The small size is also reduced to—

No. 495. 1 doz. **7/6** ... 6 doz. **7/3** ... 12 doz. **7/-**

and from Feb. 1 will be retailed at **10½d.** per box.

A. BOURJOIS & CIE, Ltd., 66 Carter Lane, London, E.C. 4.

SAPON SOAP

DELIGHTFUL TO USE—PROFITABLE TO SELL—PERFECT FOR THE SKIN.

MADE FROM CEREAL BY-PRODUCTS.

DOES NOT COMBINE WITH LIME OR MAGNESIA SALTS IN WATER.

LATHERS FREELY IN HOT OR COLD, SOFT OR HARD, AND EVEN SALT WATER.

WONDERFUL RUSSIAN TAR, SWEET-SCENTED IDEAL, AND OTHER VARIETIES.

RECOMMENDED BY DOCTORS AND NURSES EVERYWHERE.

We are in no way connected with any combine of soap makers.

BETTER SOAPS—BETTER PROFITS.

WRITE FOR PRICE LIST.

SAPON SOAPS LTD., LONDON BRIDGE, E.C. 4.

"OWN NAME" Powder Books

AT ATTRACTIVE PRICES
FOR ONE-GROSS LOTS AND UPWARDS

Recognising the desire of the Trade, we can offer a large selection of exceedingly attractive cover designs printed in one to four colours, and can incorporate in these designs special wording required by customers.

WE MAKE TWO STYLES, EACH CONTAINING WHITE, CREAM OR PINK LEAVES, DELICATELY PERFUMED.

STYLE B, usually retailing at **6**d., from **38/6** gross
STYLE D, usually retailing at **8**d., from **56/6** gross
Rouge Books, usually retailing at **1**/-, from **56/6** gross

To all purchasers of "Own Name" Powder Books during February and March 1921, we will give, free of charge, a quantity of Soap Leaves for free distribution, in order to introduce our Soap Books.

Our Net Sales last month amounted to
1,015,000 POWDER BOOKS

(Net Sales are conclusive proof).

Full particulars sent upon application—

FRANK BUCKLER, Limited

Castle Works, Mount Pleasant Rd.
TOTTENHAM, LONDON, N. 17

Used Consistently—It Prevents Pyorrhea

Forhan's For the Gums is a specially prepared medicinal dentifrice combining preventative and curative qualities for the home treatment of Pyorrhea. Forhan's, used in time and used consistently, positively prevents Pyorrhea.

Not only do the foremost dentists everywhere prescribe it in conjunction with their instrumentation, but our nation-wide magazine and newspaper advertising campaign, explaining its gratifying merits, has brought Forhan's For the Gums to the notice of an entirely new public.

Some of these people may be customers of yours who are forced to go to your trade rival for their supply of Forhan's. Prepare to profit from our advertising by placing your order for Forhan's to-day. It comes in convenient tube form, in one size only. Prices and full information on request.

Sole Agents:

THOS. CHRISTY & CO., 4-12 Old Swan Lane, LONDON, E.C. 4.

Forhan's

FOR THE GUMS

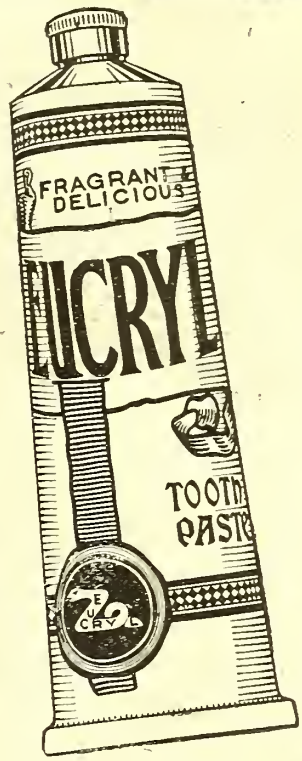
There's a Generous Profit on

"EUCRYL"

Tooth Powder

and

Tooth Paste



Not only because of our liberal selling terms, but because of the ease and swiftness with which EUCRYL TOOTH PREPARATIONS sell.

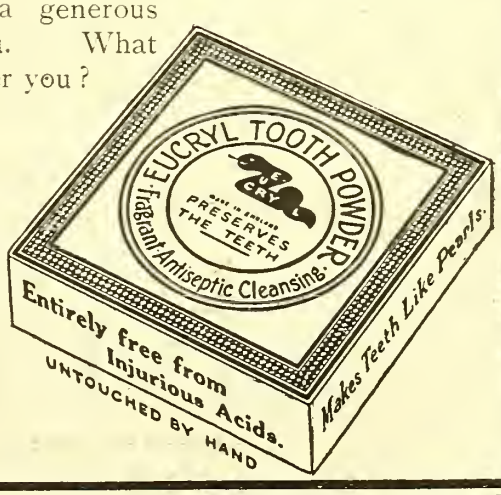
EUCRYL sells quickly because the purity of its ingredients is of world-wide repute. Parents buy it for their children because of its "goodness." Emphasise this point.

You do not have to *waste* time trying to sell EUCRYL to the customers. They all want it.

And EUCRYL provides a generous and regular profit for you. What better co-operation can we offer you?

Write for particulars.

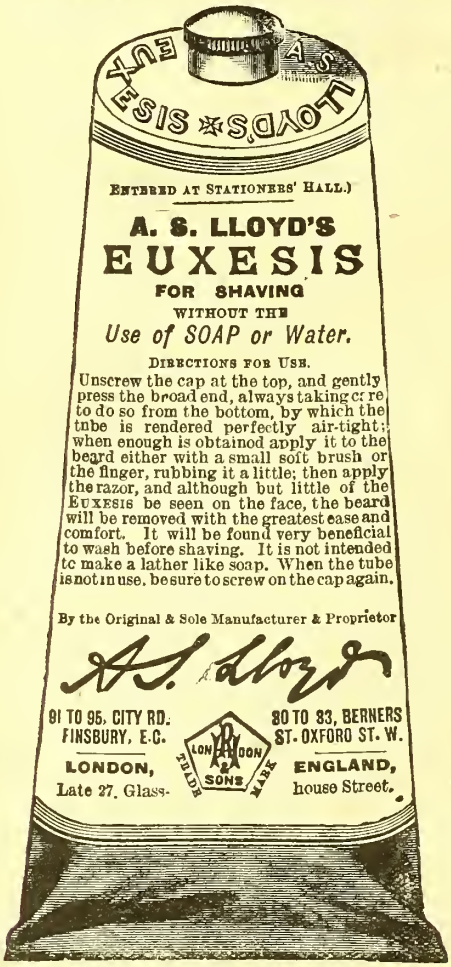
EUCRYL LTD.
SHIRLEY,
SOUTHAMPTON.



A. S. LLOYD'S EUXESIS

(THE GENUINE).

For Shaving without Soap, Water, or Brush.



Sold by all Perfumers and Chemists throughout the World.

R. HOVENDEN & SONS having purchased, under an administration suit, the Business of the late A. S. LLOYD, with the Receipt, Trade-Mark, and Goodwill of the celebrated Euxesis, the Trade are cautioned that the original and genuine Euxesis is now manufactured at our Factory ONLY, and may be obtained at either of our Warehouses.

PRICES ON APPLICATION.

NOTICE.—THE GENUINE A. S. LLOYD'S EUXESIS bears a label printed in BLACK only on a Yellow ground, with our Trade Mark at the bottom, as Illustration.

Proprietors: R. HOVENDEN & SONS, LTD.,

LONDON: 29-33 Berners Street, W.; and 89-95 City Road, E.C.

BUYERS OF GOOD

TOILET GOODS

INTERESTED IN HIGHEST QUALITY AND KEEN PRICES

SHOULD MAKE A POINT OF VISITING

STAND No. H. 26

AT THE

BRITISH INDUSTRIES FAIR.

C. A. STOKES & CO. Ltd.

11 "Eclipsol" Works, BRISTOL.

A. S. LLOYD'S EUXESIS.

For Shaving without Soap, Water, or Brush.

CAUTION.

The Labels on GENUINE EUXESIS bear two signatures—
A. S. Lloyd in Black Ink, and that of his Widow,
Aimée Lloyd, in RED. Refuse any other.

Sole Manufacturers and Proprietors: **AIMÉE LLOYD & CO.**

23 PANTON STREET (formerly named Spur Street),
HAYMARKET, LONDON, S.W.

N.B.—When ordering from Wholesale Houses write LLOYD'S EUXESIS (WIDOW'S).

PROFITABLE LINES THAT PAY.

SPUN OINTMENTS
In new series of Decorated Tins.
Write for Quotations.

"NUXOCOL" LIQUID COCOA NUT OIL SHAMPOO
12/- doz. Sells 1/9
Showcard.

"NUXOCOL" COCOA NUT OIL SHAMPOO POWDER
24/- gross Sells at 4d.

BRILLIANTINE
New Series.

FRO-ZOF
An entirely new preparation for Corns.
Showcard.

JABORANDI OIL
For the Hair.
New Brilliantine Hair Grower
Price 11/- doz. Sells at 1/9
Packed in Show Outers of 6.

Poudre Charme de Riz
An entirely new line, most profitable to handle.
3 sizes: 4½d. 1/- and 2/-
Cost: 36/- gr. 78/- gr. 144/- gr.

COLD CREAM
New design label.
In octagonal pots.
Beautifully packed. Fine Seller.

We pack everything necessary to a Chemist's Business.

ROBERT BLACKIE, Wholesale Manufacturing Chemist,
Shen Works, Tower Bridge Road London, S.E. 1

There are many cheaper Creams than Tokalon —but your Customers don't want them. There may be better Creams than Tokalon —but just try to find them!

CRÈME TOKALON

PRICES 1/6 & 2/6

With the help of our advertising, you, Mr. Chemist, have to sell Tokalon cream and powder to your customer the first time, but from then onward they sell themselves. After once testing these remarkable products the customer will not feel satisfied with any others.

Why it is that Mme. Bernhardt finds Crème Tokalon so different from all others.

Crème Tokalon imparts marvellous beauty to the complexion because it contains buttermilk and other skin-preserving and nourishing ingredients found in no other Cream.

COMPLEXION PERFECTION is merely a matter of using CRÈME TOKALON (Pronounced Toke-a-lon)

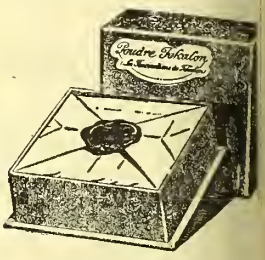
What Mme Sarah Bernhardt says about

CRÈME TOKALON & POUDRE TOKALON.

One of the hardest of workers and subject to a constant and far greater nervous strain than falls to the lot of most women, this wonderful artiste possesses a complexion which is the envy of many women half her age. As a regular user of our cream and powder for many years, Mme. Bernhardt has written us a letter of which the following is an exact translation:—

"I appreciate Crème Tokalon for its surprising qualities in rejuvenating the skin and rendering it soft and supple. I love very much the Poudre Tokalon because it adheres so well and is so extremely fine. A light application of this powder over Crème Tokalon gives to the skin an astonishing appearance of youth and an exquisite velvety surface." Sarah Bernhardt

POUDRE TOKALO



PRICES 1/11 & 2/11.
In compressed form (Comprimes) 1/6 each.

Our goods, bougl on best term show you 57 % PROFI on your Outla

Showcards sent fr on request.

Carriage Paid on all Ord for 3 doz. or over.

Why it is tha Mme. Bernhard finds Poudr Tokalon so di ferent from a others

The extreme finene of Poudre Tokalon, mentioned by Mm Bernhardt in her lette is produced by t "air-floating" proce which we use exc sively in manufacturi the powder.

YOU SHOULD ALWAYS KEEP THESE TWO QUICK-SELLING LINES IN STOCK.

TOKALON LIMITED, 212-214 Great Portland Street, London, W.1

The Big "HARLENE" Seller

(Special Dummy for Window Displays).

Place this Dummy as prominently in your window as the "Harlene" advertisements are placed in the National newspapers, and you will assuredly reap

A SPLENDID HARVEST.

New customers in their thousands are being made daily by the unique Fourfold Free Gift Offer, and all these new buyers are advised to secure their supplies from Local Drug Stores or Chemists.

This MAMMOTH DUMMY, which measures 14" × 6", placed in your window will remind passers-by of their need, created by widespread publicity in the Press, and you will benefit by the constantly recurring sales.

SO GET THIS HUGE SELLER AT ONCE

and a good stock of "Harlene" Preparations to meet the demand.

IMPORTANT ALTERATION OF PRICE OF CREMEX SHAMPOO POWDERS

Owing to the greatly increased cost of raw materials, and in order to maintain the present high quality, it has been found necessary on and after DECEMBER 1st, 1920, to amend the price of CREMEX SHAMPOO POWDERS. From the above date the RETAIL PRICE will be advanced

FROM 1/1½ TO 1/6 PER BOX

of Seven Shampoo Powders (single packets from 2d. to 3d. each). **Trade Prices** will be amended from **12/6** to **15/10** per dozen boxes of Seven Shampoos each, less 20 %.

These amended prices show you an **INCREASED PROFIT** per sale and percentage.

"HARLENE" TOILET PREPARATIONS

"Harlene" for the Hair.
"Uzon" Brilliantine
"Cremex" Shampoo Powders.
"Astol" for Grey Hair.
"Astine" Vanishing Cream.
"Astine" Tooth Cream.
"A tine" Shaving Soap.
"Astine" Nail Cream.

For Particulars, Terms, etc., write to

EDWARDS' HARLENE LIMITED,
20, 22, 24, 26 Lamb's Conduit St., London, W.C.1

REDUCED PRICES.

Toilet and Medicinal Preparations packed in Collapsible Tubes.

TOILET PREPARATIONS.

	½ oz.	1 oz.	2 oz.	
Cold Cream	2/8	4/-	5/9	doz.
Glycerine & Honey Jelly... ...	2/10	4/4	6/2	„
Oatmeal Cream	3/1	5/-	7/-	„
Shaving Cream	—	9/-	—	„
Toilet Lanoline	2/8	4/-	5/9	„
Solid Brilliantine	2/10	4/4	6/2	„
Vanishing Cream...	2/8	4/-	5/9	„

MEDICINAL PREPARATIONS.

	½ oz.	1 oz.	2 oz.	
Blue Ointment	5/2	8/9	15/9	doz.
Boracic „	2/10	4/4	6/2	„
Calomel „	4/10	8/-	14/-	„
Capsicum „	3/2	4/10	7/-	„
Sulphur „	4/-	6/2	10/6	„
Zinc „	3/10	5/6	9/3	„
Borated Petroleum Jelly	3/2	4/10	7/-	„
Capsicum „ „	3/4	5/-	7/8	„
Carbolized „ „	3/2	4/10	7/-	„
White Vaseline	3/4	5/-	7/8	„
Yellow Vaseline	3/2	4/10	7/-	„

Customer's name FREE on 3 dozen of any one preparation.

BONUS.—With an order for 2 gross assorted Preparations, we will give a bonus of 1 dozen 1-oz. tubes of any Toilet Preparation.

Telephone: HOP 4170 (2 lines).

WILLIAM TOOGOOD LTD
77, SOUTHWARK ST
LONDON, S.E.1.

Telegrams: "TOOGOOD, BOROH, LONDON."

MIDGLEY'S EMOLLIENT CREAM

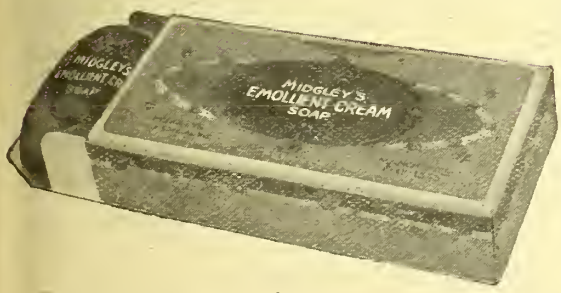
"IT BEAUTIFIES THE SKIN"

A Cream which is "different."

A Cream for Pharmacists who delight in selling something good.

Just write us for particulars contained in 4-page leaflet.

MIDGLEY'S EMOLLIENT CREAM TOILET SOAP



A Soap which your doctors will agree in recommending.

Our 4-page leaflet shows how 68 per cent. profit on outlay may be secured.

EVANS SONS LESCHER & WEBB LIMITED

Wholesale Distributors - - - - Liverpool, London & New York.

B B

DEARBORN

LIMITED

37 Gray's Inn Road, LONDON, W.C.

Toilet Specialities.

	Price per doz. to Retailer.	Selling Price P.A.T.A.
PILENTA SOAP - A complexion soap.	10/-	1/-
PROLACTUM - - For the lips.	10/-	1/-
PARSIDIUM JELLY For wrinkles.	10/-	1/-
ALLACITE of ORANGE BLOSSOM A dressing cream.	22/6	2/6
BORANIUM - - A hair tonic.	22/6	2/6
CLEMINITE - - For a face lotion.	22/6	2/6
COLLIANDUM - - For a face tint	22/6	2/6
PERGOL - - - A deodorant.	22/6	2/6
STALLAX - - - For a shampoo.	22/6	2/6
JETTALINE - - For clearing the skin.	31/6	3/6
PHEMINOL - - A depilatory.	36/-	4/-
MENNALINE - - For the eyelashes.	36/-	4/-
MERCOLIZED WAX A face cream.	31/6	3/6
STYMOL - - - For oily complexions and blackheads.	36/-	4/-
BARSYDE - - Dandruff eradicator.	22/6	2/6
TAMMALITE - - For grey or faded hair	22/6	2/6
LIQUID PERGOL - To check excessive perspiration locally.	31/6	3/6
BICROLIUM - - For whitening the hands.	22/6	2/6
HARAPOSA - - Nut oil shampoo.	22/6	2/6

STOCKED BY ALL WHOLESALE HOUSES

COLONIAL DEPOTS AND AGENCIES.

AUSTRALIA:
ALL WHOLESALERS, and
DEARBORN, Ltd., Grace House, Clarence Street, Sydney.

SOUTH AFRICA:
LENNON & CO., Ltd. (Cape Town)
SIVE BROS. & KARNOVSKY, Ltd. (Johannesburg)

INDIA:
KEMP & CO., Ltd. (Bombay)
THE INTERNATIONAL TRADING CO., Princess Street (Bombay)
R. MACLURE (Madras)
SMITH, STANISTREET & CO. (Calcutta).
MEHTA BROS. (Calcutta)
JAMNADAS BROS. (Bombay)

NEW ZEALAND:
SHARLAND & CO., Ltd. (Auckland & Wellington)

SOUTH AMERICA:
DEARBORN, Ltd., Calle Salta 264, Buenos Aires.

'RECAMIER' Toilet Productions.

ACKNOWLEDGED TO BE UNIQUE

Chemists can recommend them with confidence, and they carry a good profit.

Enquiries Invited.

PRICES:

Crème Recamier, 1/6, 3/- and 5/6
Savon Recamier, 1/3 tab., 3/6 3-tabs.
Crème de la Harem, 1/3, 2/6 and 4/6
Special Face Powder, 1/6 and 2/6

We will supply Chemists with a Few Samples and Counter Literature Gratis.

Recamier Toilet Products Co.
4 ST. JAMES'S STREET, LONDON, S.W.1

Mr. Geo. R. Sims' "Tatcho" and "Tatcho-tone."
A big vigorous, impressive advertising campaign, covering the whole of the British Isles, is now being pursued. A vastly increased volume of business is inevitable. Generous profit to the trade has been arranged.

TATCHO
THE HAIR GROWER
Price 2/9

Wholesale: 26/- PER DOZEN.

TATCHO-TONE
FOR GREY HAIR
Price 4/6

Wholesale: 42/- PER DOZEN.

GEO. R. SIMS' HAIR RESTORER CO.
5 Great Queen St., Kingsway, LONDON, W.C.2.

Let Elco Help You to 80% Profit & the Goodwill of your Clients

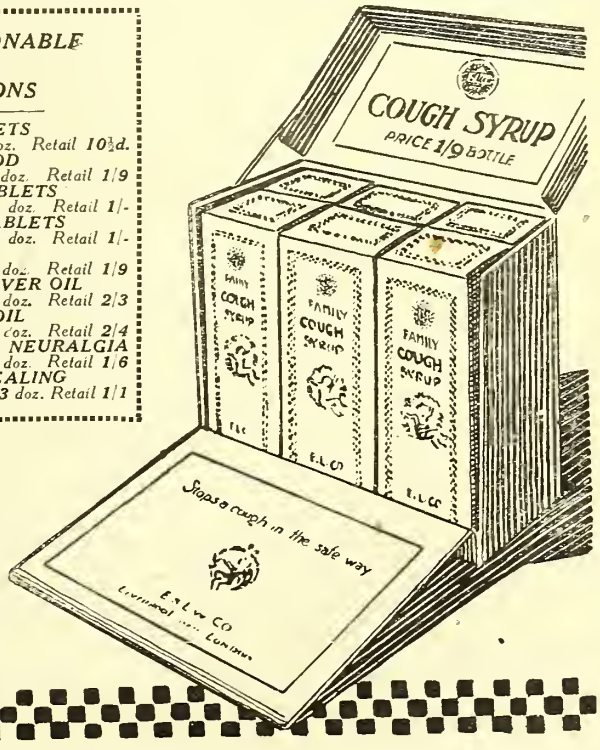
The similarity of design of the Elco cartons, with their distinctive border and seal "link up" this popular series of 30 Toilet and Medicinal Specialities, and give *you* the advantage of the goodwill created by the easy initial sale, thereby enabling you to benefit *in 30 directions*, and giving an average profit of 80%. The Elco series is prepared from carefully revised formulæ and is of consistently high quality.

ELCO TOILET PREPARATIONS

BAY RUM & CANTH. HAIR WASH. 19/- doz. Retail 2/6
BEAUTY CREAM 15/6 doz. Retail 2/-
BORATED DUSTING POWDER 8/6 doz. Retail 1/3
DENTAL FOAM 10/- doz. Retail 1/3
GLYCERINE & CUCUMBER CREAM 11/3 doz. Retail 1/6
HAIR INVIGORATOR 20/- doz. Retail 3/-
SHAMPOO POWDER 14/- doz. Retail 1/9
VANISHING CREAM 11/6 doz. Retail 1/9

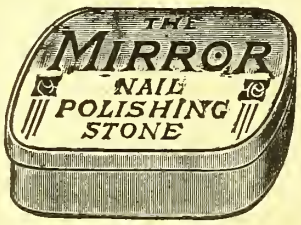
ELCO SEASONABLE MEDICINAL PREPARATIONS

ASPIRIN TABLETS 5/3 doz. Retail 10½d.
CHEMICAL FOOD 13/6 doz. Retail 1/9
CHILBLAIN TABLETS 6/- doz. Retail 1/-
COLD CURE TABLETS 6/- doz. Retail 1/-
COUGH SYRUP 13/6 doz. Retail 1/9
EMULS. COD LIVER OIL 14/6 doz. Retail 2/3
EXT. MALT & OIL 20/9 doz. Retail 2/4
HEADACHE & NEURALGIA TABLETS 9/- doz. Retail 1/6
RUBBING & HEALING OINTMENT 8/3 doz. Retail 1/1



80% Profit and an easy sale! Showouters, Showcards, Transparencies, and Handbills (one in each package) supplied with all orders. 5% discount off all orders of £5 and upwards. 100 32-page Illustrated Booklets supplied free with first order of £5; 200 for £10, etc.

EVANS SONS LESCHER & WEBB LTD.
LIVERPOOL New York LONDON



Actual Size.

By COMMON CONSENT

THE PREMIER

for giving

BRILLIANT, LASTING POLISH

to the

FINGER NAILS.

DAINTY HINGED

ALUMINIUM BOXES

WITH FULL DIRECTIONS

PER **6/-** *DOZEN.*

IN SHOW BOXES OF ONE DOZEN.

Manufactured by

SOLPORT BROS., LTD.

184-190 Goswell Road, LONDON, E.C.1

Obtainable through all Wholesale Houses.

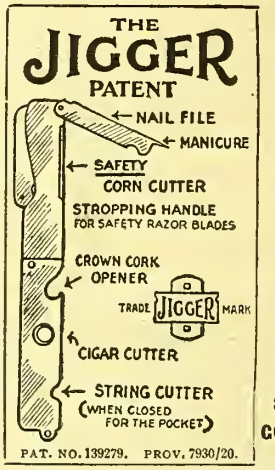
ORDER NOW!

Why throw away your old Safety Razor Blades? Use them in the "JIGGER"

NEAT AND FLAT IN THE POCKET.

PERMANENTLY SHARP

HIGHLY PLATED



RENEWABLE BLADES WHICH COST NOTHING

SHOWS A GOOD PROFIT

Advertised in all the leading papers. Attractive show matter supplied free. Obtainable from all wholesalers, or from

Sole Proprietors—

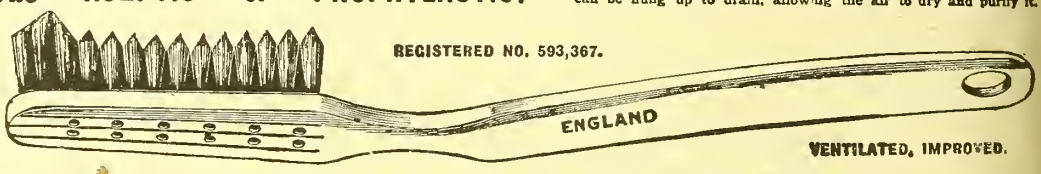
WATSON, SON & CO.

70a Basinghall Street, London, E.C.2.

ROBERT ADDIS & SON, — Tooth Brush Manufacturers, — London Brush Works, London Fields, E.8.

The "ASEPTIC" or "PROPHYLACTIC."

When not in use, a Tooth Brush should not be allowed to remain wet, or it becomes offensive. The advantage of this Brush is—it can be hung up to drain, allowing the air to dry and purify it.



To be obtained from Wholesale Houses. Packed in cartons, facilitates sales and ensures brush reaching user in clean and antiseptic condition.

Good Stocks *of* **GLASS BOTTLES**

ARE NOW HELD BY

THE AMALGAMATED GLASS BOTTLE WORKS, LTD.

(YOULDON WORKS, *Established 1840*).

TREBY STREET, MILE END, LONDON, E. 3.

Telegraphic Address: "Youldon, Bowbur, London." Telephone: East 131.

BIDWELLS

SPECIAL NOTICE.

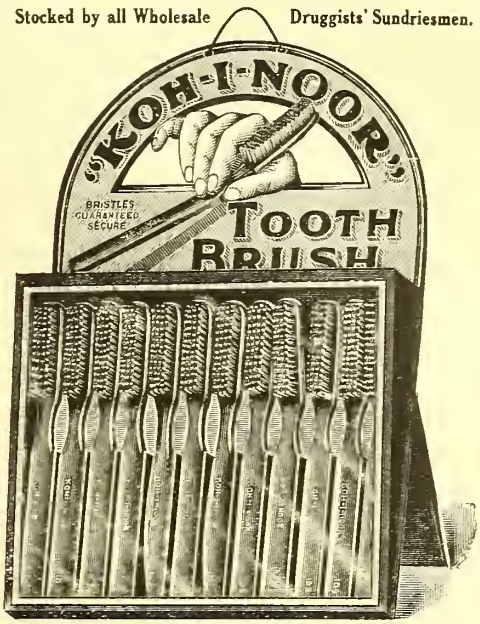
We are now putting up £12 parcels of assorted HAIR BRUSHES, and £3 parcels of NAIL BRUSHES. Attractive lines and good value. Let us send you one.

AXMINSTER - - DEVON.

On the P.A.T.A.

	No. 522	No. 523.	No. 519 (Child's)
Wholesale, per dozen	20/-	23/6	12/-
Retail Price, each ...	2/6	3/-	1/6

Stocked by all Wholesale Druggists' Sundriesmen.



THIS SHOWCASE SUPPLIED FREE WITH EACH 3 DOZEN.

Wholesale and Export ONLY.

COMBS

DRESSING - RAKE - TOOTH

Write for Samples and Quotations for immediate delivery.

J. A. BROTHERS,
17/18 Chapel St., Whitecross St., London, E.C.2
Phone: CITY 5321.

STRODONIA Vanishing Cream.

NOW SUPPLIED IN
ALUMINIUM SCREW-CAPPED JARS.
10½d. size—7/6 doz. 1/3 size—10/6 doz.
FROM LONDON WHOLESALERS.

Direct orders value £5, subject to 1 doz. 1/3 size Bonus for window display and 5% discount cash, one month; £2/10/0 subject to ½-doz. 1/3 size Bonus for window display, net.; £1/10/0 subject to ¼-doz. 1/3 size Bonus for window display, net. Carriage paid on £1/10/0 upwards.

STRODE COSH & PENFOLD, Broadmead, BRISTOL.

? HAVE YOU

TAKEN ADVANTAGE OF OUR SPECIAL OFFERS?

COMBS

CELLULOID, HANDLE PATTERN,

Black 10/3 PER DOZ. Ivory 12/6 PER DOZ.

We also have some *Wonderful Value* lines in Dressing and Rakes.

DUST COMBS, GALALITH, 36/- to 50/- per gross.

Write to-day to—

VERNON POWELL LTD.
DRUGGISTS' SUNDRIESMEN.
9 & 10 St. Andrew's Hill, LONDON, E.C.4.
(WHOLESALE AND EXPORT).

ALWAYS ON THE SPOT

NORTH

WEST EAST

SOUTH

EVERYWHERE AND EVERY DAY

A never-failing supply of the FINEST

METHYLATED SPIRIT

science can produce. British distilled, and pre-eminently our speciality.

Rapid Delivery. Carriage Saved.
All Haste—No Waste.
The Purchaser Reaps the Benefit.
Export Orders Shipped Promptly.

Home Delivery from Central Depots at London, Bristol, Exeter, Manchester, Liverpool, Newcastle-on-Tyne, Glasgow, Leith.

Please address Enquiries:

THE METHYLATING CO., LTD.
Licensed Methylators,
38/41 Finsbury Court, Finsbury Pavement,
LONDON, E.C. 2.

OUR PRIME POLICY IS TO BRING DOWN THE PRICE. WE ARE THE LARGEST MAKERS OF METHYLATED SPIRIT IN THE WORLD.

MOORLAND PHARMACY SERVICE

W. B. Cartwright, Ltd.

RAWDON NEAR LEEDS.

The Leading House of Ideas for Pharmacy.

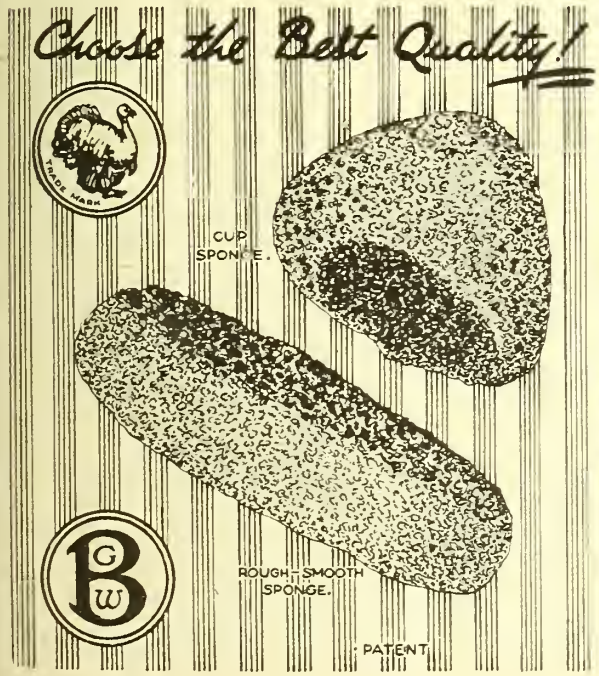
Offer an unique service to both manufacturers and retailers who require advice and assistance upon matters relative to advertising and selling.
We invite correspondence with manufacturers of really High-class Preparations, Toilet Specialities, Perfumery or Sundries, provided they are lines that will not clash with our present interests.
We are in an unique position to give you the best provided your lines are such as we can have confidence in.
Advertising must be well done to be effective—there is nothing upon which you can waste more money than ineffective publicity. If you have ***the*** line we can create ***the*** market for you.

ADDRESS
PUBLICITY DEPT.

MOORLAND BRAND

MOORLAND
PHARMACY SERVICE

Choose the Best Quality!



BELDAM
PURE RUBBER "TURKEY"
SPONGES

Made from the best red rubber, of a fine soft texture, which resists wear much better than the coarser varieties. The ordinary sponge is made in five sizes; the patent Rough-Smooth in three sizes; and the Turkey Cup in one size only.
Unaffected by boiling water, or strong disinfectants, they are the perfect sponge.
Write for full price list.

Sole Selling Agents
MOORLAND
PHARMACY SERVICE
W. B. CARTWRIGHT LTD.
RAWDON Nr LEEDS

THE PERFECT FORMULA: BISMUTH, MAGNESIA, SODII SULPHOCARB. & SOD. BICARB.

"RED BAND"

BISMUTHATED MAGNESIA

IN THREE SIZES:

Exceptional Profits — 4½d. per 9d. box 1/3 (Peppermint) — Satisfied Customers

Cost 30/- per 60/- gross 99/-

Bonus on all orders of ½ gross and upwards. (1 dozen with every gross ordered)

Carriage Paid 30/- Carriage Paid 30/-

Give your Customer the Best, and that will always be "RED BAND."

We now also pack the heavier Bismuthated Magnesia, "Red Band" Formula, in Bottles, selling at 1/3 and 2/3 Peppermint Sweetened, nicely packed in half-dozen show boxes.
Cost 96/- 180/- per gross net.

Special Bonus of 1 bottle with each dozen ordered for quantities 6 dozen and over.
Tablets can also be had. 7/9 dozen net, neatly boxed.

Red Band Chemical Co., Richmond Terrace, Edinburgh.

A NEW YEAR OFFER.

Showing a profit of 24/- on an outlay of 31/6 on a line in **hourly** demand in almost any Pharmacy.

G.O. Lemon-Flavoured Sweetened

SEIDLITZ POWDERS

Retail 3d. P.A.T.A.

Send us your slip label and a cheque for 31/6, we will send you 1½ gross (plus 6 to cover cost of remitting) in smart envelope with *your* name and address, in show boxes with showcards and window slips. A reasonable display will quickly prove to you their *rapid sales* qualities.

Many Chemists are selling ½ to 1 gross weekly.

Send your order *NOW*. Despatch 3 to 5 days; no cheques banked till delivery.

Special quotations to large buyers.

The GREENWICH LEMONADE Co.
(J. Milner, M.P.S., Proprietor),
11 John Penn St., LONDON, S.E.13.

OCULYSOL

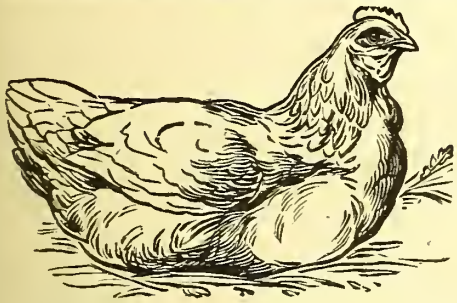
The EYE Tonic

OCULYSOL is recommended in all cases of inflammation, smarting, weak and sensitive eyes.

A most cooling and refreshing Eye Tonic for children and adults.

Obtain your supplies from your Wholesaler.

The Ophthalmic & Chemist Supply Co., Ltd.,
Ulster Chambers,
168 Regent St., London, W.1.



Egg Preserving.

PREPARE FOR - -
SEASON'S DEMAND !

WE pack only the finest quality Water Glass, and give best value and service.

We shall be obliged if our regular customers will write early, so that we can arrange for special advertising, etc., and to any chemist we have not yet supplied we shall be pleased to send full particulars.

TOMLINSON & HAYWARD, LIMITED, LINCOLN.

Proprietors of
TOMLINSON'S DAIRY HELPS.
LUDDINGTON'S OILS and VETERINARY PREPARATIONS.
HAYWARD'S PAINT STICKS, for branding Sheep, &c.

DISINFECTANTS

OF ALL KINDS.

Disinfecting Fluid,
Co-efficient Disinfecting Fluids,
Carbolic Acid (LIQUID and CRYSTALS),
Cresylic Acid,
Naphthaline,
Lysol, and
Disinfecting Powders.

The "KILLGERM" Co. Ltd.
CLECKHEATON.

Telegrams: "Disinfect Cleckheaton."
Telephone: 237 Cleckheaton
Codes: ABC and Bentley's

SPECIAL OFFER
M.G. 12 oz.
TOILET ROLLS
Per **72/-** gross.
Case Free and Carriage Paid
JOHN GOSHERON & CO.
1 & 3 Golden Lane, E.C. 1

Not a Virus. "QILLANDQUER"
RAT and MICE **EXTERMINATOR**
DRAWS, KILLS and CURES. *(Cats and Dogs don't like it.)*

Prepared scientifically by an expert Rat Exterminator, with 20 years' successful experience, never having failed to rid any building undertaken by him.
Specially designed for Mansions & Institutions.
Easy and clean to administer, being in powder form, cannot be carried and deposited elsewhere by the rodents.
Being extensively advertised in Press.

Write for full particulars and terms:—
THE UNIQUE RAT EXTERMINATING CO.,
Copster Green, near Blackburn.

Doan's Only Terms

Numerous letters requesting *lowest prices and best terms* for Doan's Preparations, though individually replied to, call for the definite statement that there is no exception whatsoever to the conditions set out in the following scale :—

P.A.T.A. prices:

	England (Scotland and Wales.)			Ireland (Channel Isles and Isle of Man.)		
	Per dozen in 6-dozen lots	In less than 6-dozen lots	Minimum retail prices	Per dozen in 6-dozen lots	Per dozen in 6-dozen lots	Minimum retail prices
Doan's Backache Kidney Pills ...	26/0	29/0	3/0	23/6	26/3	2/9
Doan's Ointment ...	26/0	29/0	3/0	23/6	26/3	2/9
Doan's Dinner Pills ...	10/9	12/0	1/3	10/6	11/9	1/3

Carriage Forward. Account payable end of month following that of date of invoice. Best prices allowed on orders amounting to £7 : 16 : 0 (Ireland, Channel Isles and Isle of Man, £7 : 1 : 0). Goods assorted as required.

We guarantee to exchange, or refund in full for, unsold or damaged stock returned to us. This, and the steady demand for Doan's Preparations, entirely eliminate all risk of the Retailer having to carry Dead Stock.

Advertising Matter. We will send, gratis, upon request, Doan's Thermometer (Size 21″ × 5″ on ¾″ white enamelled board) and our Pictorial Showcard, 16½″ long by 5¾″ deep.

FOSTER-McCLELLAN CO. Manufacturing Chemists,

8 Wells Street, Oxford St., LONDON, W. 1.

Telegrams:
"Refreshing, Cent, LONDON."

R. J. REUTER

(Established 1892)

Telephones:
Central
4461 and 4462.

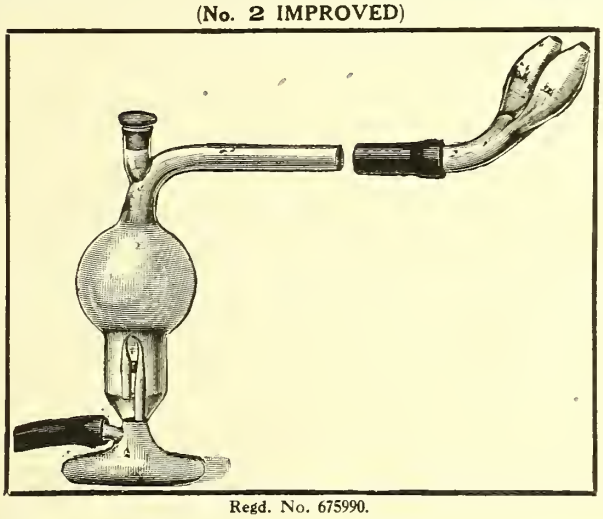
Head Office: **69 CARTER LANE, LONDON, E.C.4.**

Our Latest Production.

THE ARISTON ALL-GLASS NEBULATOR.

(No. 2 IMPROVED)

For NOSE or THROAT.



Will Nebulize the Heaviest Oils.

Regd. No. 675990.

Price - - 72/- dozen. Usual Discount.

STRONG SOLUTIONS OF ACTIVE DRUGS which in the ordinary way are irritant, can be safely prescribed for application through the Ariston No. 2 Nebulator, ***as the Vapour is evolved in the finest possible state of Sub-division, and may be inhaled into the Lungs direct if desired.***

WE ARE SOLE MANUFACTURERS OF

THE ARISTON No. 1 ALL-GLASS CLOUDIZER.

For Nose or Throat - - - **48/-** dozen.

"VĒVAX" FOLDING ALL-GLASS POCKET ATOMIZER.

For Nose or Throat - - - **51/-** dozen.

The most useful ordinary Atomizers extant.

ALL-GLASS SPRAY PRODUCERS
Will vaporize Oils or Water.

The "ALPHA" For the Throat	-	**48/-** doz.
The "OMEGA" For the Nose	- -	**48/-** doz.
***The "PARVO"** Miniature Spray	-	**48/-** doz.

(*For expensive solutions in small quantities.) Usual Discounts.

Factory:
Queen's Buildings,
Elliott's Court,
Old Bailey,
E.C.

The Pharmacist who holds complete stock of above lines is always in a position to fulfil the requirements of either medical man or patient for any kind of Spray Producer, Atomizer or Nebulizer at a moment's notice.

Scientific Glass Blowing Works:
31 St. Ann's Chambers,
E.C.

FOUR PERTINENT TEST QUESTIONS

WITH A SPECIAL BEARING
ON THE SUBJECT OF —
EFFECTIVE
CIRCULATION

It is suggested that these queries might be addressed by advertisers to publishers of trade journals.

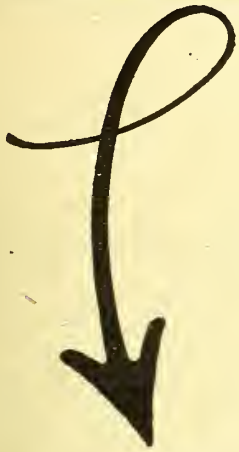
1. Can you show an accountant's certificate guaranteeing a definite circulation made up of paying subscribers?
2. Is the total amount of the subscription devoted solely to securing the services of your journal?
3. Are the business addresses of these subscribers open to inspection?
4. Are your subscribers actual buyers (for use or for re-sale) of the goods we have to offer?

TO ALL THESE STRAIGHTFORWARD QUESTIONS SATISFACTORY ANSWERS CAN BE GIVEN SO FAR AS

THE CHEMIST & DRUGGIST

IS CONCERNED. Anyone, therefore, who has goods to offer to buyers of chemicals, drugs, druggists' sundries, perfumery, toilet articles, or allied products knows that in utilising its advertising pages waste publicity is eliminated.

Write for rates and further particulars to
THE PUBLISHER
THE CHEMIST AND DRUGGIST
42 CANNON STREET, LONDON, E.C. 4



open an account with
The Leighton Laboratories
and know what good
service means.

Send a postcard for particulars of monthly parcel series. These are supplied on most advantageous terms, and carry special extra discounts, forceful display advertising matter, and counter wrappers supplied free.

Leighton
Laboratories
Parcel Enquiry Department,
Grays Inn Road,
London, W.C.1.

Goods you are asked for:

Leighton Hair Beauty Outfit
Quin-Quenna.
Quin-Quenna de Luxe.
Quinolox.
Quin-Quenna Hair Cream.
Bi-Pastrate of Quinolox.
Yak-San.
Sapinol Washing Cream.
Sapinol Dusting Powder.
Sapinol Rose (a Cream).
Sapinol Rose Leaf (Powder).
Sapinol Egg Shampoo.
Sapinol Henna Shampoo.
Sapinol Perfume Stone.
Sapinol Whyteleaf.
Sapinol Dental Foam.
Papillon Beauty Food.
Poudre Papillon.
Margery Skin Food Soap.
Radol.
Maxine.
Compound of Oroquin.
Anthony Leighton.
Triple Extract of Almate.

Manufacturers and Sole Proprietors,
LEIGHTON LABORATORIES

TRADE **Vaseline** MARK.

CAMPHOR ICE

DESERVES YOUR BEST ATTENTION.

It is the time of the year to sell Camphor Ice

For it is the outdoor men, women and children who most need Camphor Ice.

"Vaseline" Camphor Ice is well known.

It has not only been *on the market*, but *you have sold it for years.*

"Vaseline" Camphor Ice is now being largely advertised in the leading magazines and periodicals. This makes it the easiest time for you to increase largely your sales of Camphor Ice.

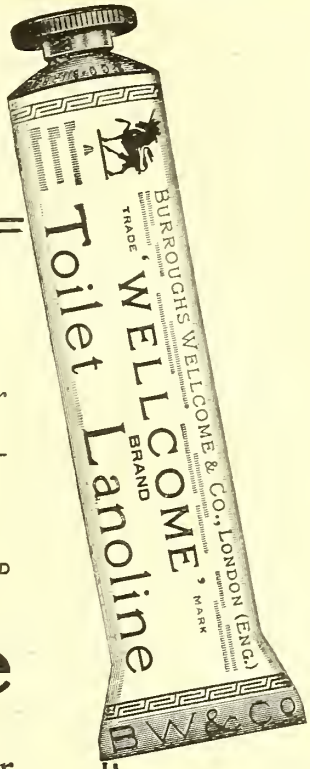
ARRANGE YOUR STOCK WHERE CUSTOMERS WILL SEE IT.

Make a point of calling their attention to the fact that Camphor Ice relieves the unpleasant effects of Winter's cold and Storms.

SHOWCARDS & PRICE LIST UPON APPLICATION.

CHESEBROUGH MANUFACTURING COMPANY, Cons.,

42 HOLBORN VIADUCT, E.C.1.



When your customers ask for Lanoline, sell them the best—

TRADE MARK **'WELLCOME'** BRAND

Toilet Lanoline

Free from the woolly odour characteristic of ordinary Lanoline. Delightfully perfumed.

It always gives complete satisfaction.

Excellent for roughness, redness or abrasions. Supplies the skin with its natural fat.

Issued in collapsible tubes of two sizes at **7/6** *and* **15/0** *per dozen (subject)*

BURROUGHS WELLCOME & CO.
LONDON

NEW YORK MONTREAL SYDNEY CAPE TOWN
MILAN SHANGHAI BUENOS AIRES BOMBAY.

G 963 COPYRIGHT

THE BRITISH DRUG HOUSES LTD.

SODII SULPHAS B.D.H.
AND
MAG. SULPHAS B.D.H.
(P.P.P.)

are the best for retail sale because they are :—

(1) Warranted Pure for Pharmaceutical Purposes ;

(2) Free from all chemical and mechanical impurities ;

(3) Manufactured by The British Drug Houses Ltd. under scientific control and submitted to careful analysis in their laboratories ;

(4) Brilliant white articles which retain their colour and appearance ;

(5) Perfect in form and of unequalled elegance ;

(6) In compliance with the requirements of the B.P. 1914, and the Sale of Food and Drugs Acts.

IMMEDIATE DELIVERY FROM STOCK.

22-30, Graham Street, City Road,
LONDON, N.1.

THE CHEMIST AND DRUGGIST

A Weekly Journal of Pharmacy and of the Chemical and Drug Trades

HE CHEMIST AND DRUGGIST is in circulation and reputation e leading journal addressing the Chemical and Drug trades in the ritish Empire and other countries in the Old and New Worlds. It the official organ of the Pharmaceutical Society of Ireland, the hemists and Druggists' Society of Ireland, and of other Chemists' ocieties in the Overseas Dominions.

Subscription Rates. TWENTY SHILLINGS a year payable in advance to any part of the world, including a copy of *The Chemist and Druggist Diary*. Subscriptions may begin with the first issue of any month. Single Copy 9*d*. post free; *Diary*, 10*s*. post free. Postal orders and cheques should be crossed "Bank of Liverpool and Martin's Ltd."

Prix de l abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 20s., franco

Preciode suscripción anual: el periódico una vez por semana, y el agenda una vez por año 20ch., franco.

rms for Advertising may be obtained on application to the Publisher EAD OFFICE: 42 CANNON STREET, LONDON, E.C. 4. legrams: "Chemicus, Cannon, London." Telephone: Central 3617 (three lines). ANCH OFFICES: MELBOURNE AND SYDNEY, AUSTRALIA.

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Index Notice.

HE index for Volume XCIII., covering the second lf of 1920, is now ready. We shall be glad if those our subscribers who desire copies, and have not already tified us, will send us postcard requests. The index ll not be issued with the journal.

Wills.

THE EARL OF BESSBOROUGH, K.P., C.B., C.V.O., Bessrough, co. Kilkenny, and 3 Queen Anne Street, avendish Square, W., chairman of Apollinaris and hannis, Ltd., who died on December 1, left unsettled operty of the gross value of 272,890*l*. 1*s*. 9*d*., with net rsonalty 271,739*l*. 16*s*. 9*d*.

MR. HENRY HINDLE, chemist and druggist, 22 Montague reet, Blackburn, who died on November 14, left estate of e gross value of 5,996*l*. 13*s*. 7*d*., with net personalty 565*l*. 17*s*. 10*d*. Probate of his will has been granted his sons, Mr. James Edgar Hindle and Mr. John indle. The testator left his estate to his daughter, nn Agnes Hindle, and his two sons, in equal shares.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Telephone Charges.

In a statement issued from the General Post Office, on January 24, it is announced that, unless Parliament otherwise determines, the new telephone rates will take effect as intended, except that it has been decided to defer the introduction of the new trunk charges until April 1. These trunk charges were to have come into operation on February 1 (*C. & D.*, January 15, p. 45).

Chemical-trade Wages Award.

The recent award of increased wages in the chemical trade (*C. & D.*, January 8, p. 45) has been followed by a letter from the Chemical Employers' Federation to the chairman of the Industrial Court. The letter contains the following passage:

We have actually compared our rates with those of twenty-five other industries, and we find that before your award was issued we were higher than sixteen of them, whereas now our rate is higher than that of twenty-two of the other industries, and equal to the remaining three. . . Your award takes no cognisance of the advances given in various ways during the war:

Actual increases of wages to day labourers of 210.87 per cent. over pre-war.

Reduction of working week from fifty-three or fifty-four hours to forty-seven without loss of pay.

Payment of overtime to shiftmen for week-end work, bringing their wages to 190 per cent. over pre-war figures.

A week's holiday annually, with full pay (conditional on good timekeeping).

. . . . We greatly fear that inaccuracies and inconsistencies such as we have shown to exist in the present award, when coupled with such complete disregard to the national situation as this award evidences, will endanger very appreciably the existence of the Industrial Court, and will certainly effectively preclude it from fulfilling the happy functions for which its sponsors hoped.

The letter is signed by Mr. Roscoe Brunner and Mr. R. Lloyd Roberts, chairman and secretary respectively of the Federation.

Contracts.

The following Government contracts, among others, have been notified:

ADMIRALTY.—*Chemicals.*—Brunner, Mond & Co., Ltd. *Mustard.*—J. & J. Colman, Ltd. *Thermometers, Hydrometers, etc.*—A. C. Cossor & Son; Perken, Son & Co., Ltd.; T. A. Reynolds & Co.; T. E. Thompson & Co.

WAR OFFICE.—*Chloride of Lime.*—The United Alkali Co., Ltd.; A. C. Young & Co. *Soda Crystals.*—Brunner, Mond & Co., Ltd. *Turpentine.*—Langley, Smith & Co.

POST OFFICE.—*Methylated Spirit.*—W. H. Palmer & Co., Ltd.

HIGH COMMISSIONER FOR INDIA.—*Bleaching Powder.*—The United Alkali Co., Ltd. *Iodine.*—Whiffen & Sons, Ltd. *Potassium Iodide.*—Howards & Sons, Ltd. *Sal Ammoniac.*—Brunner, Mond & Co., Ltd. *Santonin.*—Carnegie Bros.

CROWN AGENTS FOR THE COLONIES.—*Drugs.*—Society of Apothecaries of London.

H.M. PRISON COMMISSION.—*Drugs, etc.*—Baiss Bros. & Co., Ltd. *Soap.*—John Knight, Ltd.

Birmingham.

Letters and meetings of protest against the day continuation schools are in evidence everywhere.

Mr. F. R. Smallman, chemist and druggist, 228 Soho Road, has given notice of application for a wine off-licence.

At a meeting of the deposit and current account creditors of Farrow's Bank, held at Birmingham on January 22, it was stated that nearly 150 business men in the city were on the verge of bankruptcy as a result of the closing of the bank.

Several kinds of apparatus for the relief of deafness are on view in Birmingham. They are mostly on the

electric-battery and telephone principle. Another novelty in treatment is the advertisement of a lady, "O.B.E.," who sends particulars concerning various diseases on receipt of one's address. The value of the O.B.E. in this connection remains to be ascertained.

Birmingham University, which attains its majority during the year, has abandoned its pharmacy classes, and students have been asked to get their instruction from local teachers. A syllabus of work is being prepared by Dr. J. Coole Kneale, chemist and druggist. Among recent donors to the University fund are W. & T. Avery, Ltd. (1,000*l.*), Mr. G. S. Albright (250*l.*), Mr. C. W. Dyson Perrins (105*l.*), and Southall Bros. & Barclay, Ltd. (100*l.*).

Leicester.

J. Young & Sons, chemists, Gallowtree Gate, have an attractive window-display of malt-and-oil.

Slack trade still prevails, owing, no doubt, to the mild weather and large numbers of unemployed.

Local pharmacists have been trying to calculate how many kegs of sodium sulphate are in store at the various railway stations in Leicestershire. A letter advising the recipient of a mistake in the despatch department of a London house, and making a tempting offer, has been going the rounds.

Liverpool.

The Church of England Temperance Society's annual report states that one woman who was taken to a rescue home had spent 12*s.* a week on chloral.

"Sales" at pharmacies in Castle Street, Great Charlotte Street, Whitechapel, and a few other central thoroughfares are the order of the day.

The complaint of a falling off in retail sales is general, but an optimistic tone prevails as regards spring business. Few describe the slump as more than usual after December.

Mr. H. Oldham, late of Liverpool, who has benefited greatly in health since he settled at Burscough, has added a photographic department to his pharmacy. He has paid a business visit to Liverpool this week.

S. Maw, Son & Sons, Ltd., London, E.C. 1, opened an exhibition of sundries on January 24 in the Eagle Stock Rooms, Paradise Street. The exhibition is open daily from 9 A.M. to 6 P.M. for a fortnight. "Parex" manicure sets form a prominent feature. Mr. Naylor, assisted by Mr. Jackson, is in charge.

Manchester.

A movement is on foot to organise in Manchester at an early date a great international world's fair. The Lord Mayor and Sir William Veno are the prime movers in the project, and their inquiries show that there will be little difficulty in raising the necessary financial guarantee.

Mr. R. M. Graham Dobson, 566 Rochdale Road, has attained fame locally by an ingenious scheme. To get rid of a lot of soiled and otherwise unsaleable goods he had a 2*d.* dip. Various articles were placed, wrapped in paper parcels and otherwise, in a large barrel, and more than 450 customers "dipped."

It is felt to be essential that all Manchester chemists, on receipt of a circular from the Manchester Pharmaceutical Association, should carry out the wishes of their Association officials and vigorously protest against the iniquitous and unworkable regulations (as drafted) of the Dangerous Drugs Act. The circulars will be issued forthwith.

By the death of Mr. Edward Harding (see p. 61) Manchester loses one of its eldest and finest characters in pharmacy. Mr. Harding was one of the most genial of men, and was as highly respected by his *confrères* as by his large circle of customers. He will be remembered as one of the pioneers of the rota system adopted by the Stockport Road and Longsight chemists in 1910, and successfully continued. Mr. Harding was for some time an assistant in the pharmacy at 56 Ducie Street, Greenheys, now owned by the President of the Manchester Pharmaceutical Association, Mr. John Cleworth.

Scarborough.

At a meeting of the local Committee of the Bri Pharmaceutical Conference, held on January 20, following members were added to the entertainment committee: Mr. J. E. Brown, Mr. J. Clare, Mr. H. Hirst, Mr. R. J. Simms.

Although two Scarborough pharmacists were ne frozen on their recent journey to Whitby, the idea Scarborough is bitterly cold in winter is confuted by fact that many plants bloom there much earlier in inland. This year several are a few days in advanc recent years. *Draba verna* was gathered in flower fruit on January 1; winter aconite, red dead-ne *Daphne laureola*, primroses, and roses (in abundance) in flower on the same date; hazel catkins were found January 3; hazel (pistillate) flowers appeared on Ja ary 22—this date is a record; and *Mercurialis pere* both pistillate and staminate, was also observed January 22.

Sheffield.

Mr. Bernard Ellis, chemist and druggist, barrister law, appeared for the defence in a recent criminal c

Mr. G. K. Greenstreet, chemist and druggist, has ta over the management of the Ellesmere Road branch Staniforth Pharmacy, Ltd.

The Inland Revenue authorities are warning trader giving unstamped receipts (in the way of counter dock for cash sales of 2*l.* or upwards.

The police are taking measures to prevent fur damage to the war memorial erected by Mr. W. H. Dy chemist and druggist, West Bar Green.

Dr. R. B. Greaves, formerly principal of the Sheff College of Pharmacy, has recently published "Lays the Way," a book of poems on the Derbyshire dales.

Dr. Wynne, medical officer of health for Wigan, been recommended to succeed Dr. Scurfield at Sheff Dr. Wynne is reported to be an ardent supporter municipal trading.

Miscellaneous.

FOOD POISONING.—The Ministry of Health has iss to sanitary authorities a memorandum regarding the s to be taken by medical officers of health in cases suspected food poisoning. Part of the circular re to outbreaks of poisoning suspected to be due to contaminated with inorganic poisons. The circ "Gp. 32" is obtainable from the Stationery Office at

DENTAL CORPS FOR THE ARMY.—A Royal warrant been issued authorising the formation of a corps to entitled "The Army Dental Corps." The corps wil administered by the Director-General, Army Med Service, and will be a joint service for the Army and Royal Air Force. Commissions as lieutenants may given to persons duly qualified under approved regulati

CHARGE OF SMUGGLING SACCHARIN.—At Mansion H Police Court, London, on January 19, Abraham Ober and Phineas Zommerplaag were summoned for smugg 62 lb. of saccharin. The defendants, it was stated, liable to a fine of 1,383*l.* It was added that the met adopted by them was to fill toys known as "Te bears" with saccharin, hoping to escape detection w passing the toys through the Customs. A remand ordered, bail being allowed. The hearing was resu on January 26, when the defence was opened. A fur remand was ordered.

IN THE COURTS.—At Bradford Police Court, January 19, Elliott Harding, described as a chemist, fined 10*s.* for being intoxicated with methylated sp Time was given him in which to pay the fine, but elected to go to prison for seven days.—At Abera Police Court, on January 20, George Frederick Ba (13) was placed on probation for twelve months stealing two boxes of pine tablets from a case in shop of Boots, Ltd.—At Marlborough Street Police Co London, on January 21, Mary Brennan, described a typist, and refusing to give her address, was remand on a charge of being in unauthorised possession of coca

Irish News.

Dangerous Drugs Act Regulations.

A further special meeting of the Law Committee of the Pharmaceutical Society of Ireland was held on January 25 with reference to the Dangerous Drugs Act Draft Regulations, when it was decided to submit to the Home Office several suggested amendments. In the meantime it was decided to draw the attention of members and associate druggists to the Draft Regulations and to the editorial article, both of which appeared in THE CHEMIST AND DRUGGIST of January 15. They are urged carefully to study both and to write to the Under-Secretary of State, Home Office, London, S.W. 1, emphasising such points of difficulty as may occur to them.

The Control of Pharmacy Qualifications.

The passing of the Home Rule Act, placing Ireland under the jurisdiction of Northern and Southern Parliaments respectively, has, writes a correspondent, created a serious position so far as the pharmaceutical and drug stores in the six counties that are coming under the jurisdiction of the Northern Parliament are concerned. At present the Pharmaceutical Society of Ireland, through its charter granted by the Privy Council, is the governing body for Irish pharmacists, but with the institution of the new Act the charter granted by the Privy Council to the Society will cease to be operative, so far as the North is concerned, as the Privy Council goes out of existence. The position is, therefore, that, unless something is done in the meantime, the pharmacists and druggists in the six counties will not be amenable to the Pharmaceutical Council when the Act comes in force. The Ulster Retail Chemists' Trade Association is giving the matter serious attention and had a prolonged discussion on January 21. It is intended, we are informed, to apply for a new charter for Ulster, and the matter of drafting it is to be placed in the hands of counsel. It is thought that there should be no difficulty in obtaining this charter, and that as a result the agitation in favour of the abolition of the Registered Druggist qualification will soon come to a satisfactory termination. The question of recognition outside the area of the new Northern Parliament is involved, but this is not being lost sight of by the drug-trade leaders in the North, who already have a scheme on foot to safeguard the interests of the trade on this point.

A Business Council.

The latest move in the Irish drug-trade is a proposal to set up a business Council, representative of the Ulster Retail Drug Association and the Dublin Association, with a view to common action in trade matters. The former Association has already appointed delegates to arrange with the Dublin people for a suitable date for a joint conference. The idea of this Council is really to continue the federation which proved so useful during the assistants' strike in 1919, and which was composed of Belfast and Dublin members. It is said that the new Council will probably come into existence within a few weeks, so heartily has the movement been taken up.

Poisoning Statistics.

The fifty-sixth annual report of the Registrar-General for Ireland, covering the year 1919, has just been issued. The total number of deaths from poisoning that it records is twenty—sixteen accidental and four suicidal. These are smaller figures than usual, the annual averages for the previous ten years being 18.1 and 9.4 respectively. In England in 1919 (population 4,894,077) the corresponding numbers are nineteen and twelve. The population of Ireland for the year under review is estimated at 4,500,000; the deaths number 78,612, giving a rate of 17.6 per thousand. Of these, 17,188 (21.9 per cent.) are unascertained. The accidental poisonings recorded include three by "disinfecting fluid," two each by morphine and strychnine, and one each by arsenic, belladonna, carbolic acid, ether, mercury perchloride, and methyl alcohol. Two of the four suicides are attributed to potassium cyanide, one to strychnine, and one to "disinfecting fluid." (The number of suicides of all kinds is 130—the highest since 1915.) It is worth noting that in the two successive years 1918-19 there has been no suicide by opium (or its derivates), cocaine, diamorphine, or their respective salts, only one fatal accident with cocaine, and two with morphine.

Belfast.

At Belfast Police Court, on January 21, a youth named McCullough was charged with breaking and entering into the premises of Thomas Finegan, Ph.C., Kent Street, and stealing various articles. Prisoner was remanded for one week.

Mr. Samuel Nevin, R.D., Belfast, has sent in his resignation of the honorary secretaryship to the Chemists' and Druggists' Society of Ireland owing to his departure to Bournemouth for the benefit of his health (*C. & D.*, January 15, p. 48).

Belfast Board of Guardians invite applications for appointment of a fully qualified compounder of medicine for Belfast Urban Nos. 11, 12, and 16 dispensary sub-districts (Templemore Avenue Dispensary), at a scale of salary commencing at 120*l.* per annum.

At Dungannon Quarter Sessions, on January 21, James Nethery, Ph.C., claimed compensation for malicious injury to windows and doors in his pharmacy in disturbances following the wounding of a policeman on October 31. Judge Linehan awarded 46*l.*, half to be levied from the urban area and half from the county.

Poisonings.

THE following cases of fatal poisoning have been recorded since our last report:

A verdict of "Death from misadventure" was returned at an inquest at West Hartlepool, on January 24, on the body of Edwin Berry, an octogenarian unable to read; the evidence showed that he had taken in the course of a day nine pills containing morphine, under the impression that they were pills of a laxative character.

The Central London coroner concluded, on January 22, an inquest on the body of John Lawrence Hall, aviator, who was found dead in bed in a Bloomsbury hotel (*C. & D.*, January 8, p. 47). Dr. Spilsbury, recalled, said he thought morphine-taking was not uncommon among flying men. Mr. C. W. Brumwell, Ph.C., Euston Square, stated that Mr. Hall was a customer, whom he knew as John Preston. He first served him on May 7, 1918, with morphine tablets. Hall produced a prescription, signed "R. Kennear Robertson, M.D., Brocco Bank, Sheffield." In all he had served him sixty-six times with morphine tablets. For the first few months deceased had only ¼-gr. tablets. Then "Preston" said, "The ¼-gr. tablets are not strong enough for me, and if I take two it will be too strong. Will you give me ⅓-gr.?" Witness thought this was a reasonable request, so he complied with it. He had not a fresh prescription. On December 16 last he supplied the patient with a hypodermic syringe (produced). Previously witness had served him with four similar instruments. On December 23 a messenger from the hotel was supplied with four tubes of tablets. Witness added that in a month's time the regulations governing its sale would be more severe. The Coroner: I hope so. In reply to further questions, witness explained that he had complied with the law. Detective-sergeant Durrant stated that he had been unable to obtain the original prescription. Dr. Robertson, of Sheffield, had been interviewed. He believed that the prescription bearing his name was a forgery. An open verdict was recorded.

"JAMAICA GINGER."—"The Times Trade Supplement" reports that the sale of Jamaica ginger will be prohibited shortly in the United States, on the ground that it is used in the manufacture of intoxicating beverages. Jamaica's annual trade in this commodity is valued at about 65,000*l.* [It is probable that the veto refers to the sale of the alcoholic product known as "Jamaica ginger."]

Scottish News.

Dundee.

Dr. W. L. Robertson, M.C., died on January 24 from blood-poisoning, caused through the pricking of his finger while performing an operation.

At a recent meeting of the Allocation Sub-Committee of the Dundee Insurance Committee it was reported that, on December 31, the numbers of insured persons on the lists of five doctors exceeded the maximum of 3,000 fixed by the Committee. The lists of four of the doctors are being reduced to the required limit, the fifth, who is employing a permanent assistant, has received permission to include in his list insured persons to the number of 5,000.

In the Sheriff Court, on January 18, Dr. Robert Miller sued a panel patient for payment in respect of an operation which the doctor contended did not come within the scope of a panel practitioner's duties as defined by the local Medical Committee. Mr. David Duncan, clerk of the Dundee Insurance Committee, stated that he could not say what section, if any, of the Act gave the Dundee Medical Committee power to draw up a list of operations for panel doctors to perform. Dr. Miller: You admit that panel doctors will not do any more than they can help for the small remuneration which they receive? Witness: That is my experience.

Edinburgh.

Several local pharmacists have been off duty lately on account of influenza and other ailments.

Dr. J. Laidlaw Ewing presided, on January 21, at the annual dinner of the Edinburgh Watsonian Club.

Five miners were injured as the result of an explosion on January 24 in one of the pits near Kirkliston, belonging to the Scottish Oils, Ltd.

Mr. J. Rutherford Hill, Ph.C., lectured, on January 23, to the Young People's League of the Renfrew U.F. Church on the subject of "Socialism and Christianity."

Mr. A. F. Caddell, chemist and druggist, Easter Road, passed the Final for the triple qualification in medical degrees at the recent examination, which concluded in Glasgow on January 22.

J. F. Macfarlan & Co., manufacturing chemists, announce that owing to the death of the principal, Mr. D. Rainy-Brown, their premises will be closed for stock-taking on February 1 and 2. Urgent orders, however, will receive attention.

The Canadian curlers were the guests, on January 18, of the West Lothian Province of the Royal Caledonian Curling Club at a dinner held in Ferguson & Forrester's Restaurant, Princes Street. The artistic menu card was designed and printed by Spence's Printing Works, Linlithgow, of which the proprietors are all qualified chemists.

A successful whist-drive was held on January 19 in Windsor House, Hillside Crest, under the auspices of the Edinburgh Chemists' Golf Club. Mr. R. D. Douglas, captain of the club, presided. The prize-winners were: *Ladies*: (1) Mrs. Davidson; (2) Mrs. Daniels; (3) Mrs. Boyne; lowest lady, Mrs. Rankin. *Gentlemen*: (1) Mr. G. Baxter; (2) Mr. Wright; (3) Mr. McDonald; lowest gentleman, Mr. Black. The company was entertained by Misses Baxter, Foote, and Paddon, and Messrs. J. Muir and Barber.

The pianoforte recital of Miss Isabel Gray, in the Freemasons' Hall, on January 12, will be remembered as an important event in the present Edinburgh musical season. Miss Gray charmed a large audience, among whom was Sir James Walker, the University professor of chemistry, with an exacting programme, ranging from Bach to Debussy, and drew unstinted praise from the professional critics. Her father, Mr. John Gray, proprietor of Davidson & Gray, chemists, Dundee, has reason to be proud of so distinguished a success.

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The Profiteering Act.

Prosecutions.

MANCHESTER.

AT Manchester Police Court, on January 19, five firm or companies were prosecuted under the Profiteering Ac by the Complaints Standing Committee of the Centr Profiteering Committee appointed by the Board of Trad

William Bostock & Sons, Ltd., Ashton-under-Lyne, sol to the Textile Colour Co., Manchester, on May 4, 192 1 ton of soda crystals for 10*l*. They had purchased from the Electro Bleach and By-products Co., Ltd., a 5*l*. 10*s*. a ton, realising a gross profit of 45 per cent. returns. The magistrate imposed a fine of 20*l*., with 10 costs.

W. H. Standing & Sons, Colne, Lancashire, sold to tl Textile Colour Co., on May 14, at 8*l*. 10*s*. a ton, 2 tons soda crystals which they had purchased from the Unit Alkali Co., Ltd., at 5*l*. 10*s*. a ton, realising a profit 35 per cent. A fine of 20*l*., with 10*l*. costs, was inflicte

Mr. Francis Duckworth, Colne, sold 2 tons of soc crystals to the Textile Colour Co., on May 7, at 8*l*. 5 a ton. He had purchased it from the United Alkali Co Ltd., at a net cost of 5*l*. 13*s*. 9*d*. a ton, realising a gro profit of 31 per cent. The net profit, after allowing f cartage, was stated to be 20 per cent. A fine of 10 with 10*l*. costs, was imposed.

Thomas Bennett & Co., Stockport, sold 3 tons of soc crystals to the Textile Colour Co., on May 26, at 9*l*. 15 a ton. It had been purchased from the Electro Blea and By-products Co., Ltd., at 5*l*. 12*s*. 6*d*. a ton, realisi a gross profit of 42 per cent. It was stated that a mistal had been made, and that a refund of 2*l*. a ton had be allowed, reducing the rate of profit to 21 per cent. A fi of 20*l*., with 10*l*. costs, was inflicted.

The John Smith Oil Co., Ltd., Manchest, sold 2 to of soda crystals to the Textile Colour Co., on May 11, 9*l*. 15*s*. a ton. It had been bought from Brunner, Mor & Co., Ltd., at 5*l*. 10*s*. a ton, realising a gross profit 41 per cent. A fine of 20*l*., with 10*l*. costs, was impose

LIVERPOOL.

At Liverpool City Police Court, on January 21, a char was heard against Heaths (London), Ltd., who carry business in Liverpool and London. The charge was th on or about March 31, 1920, the defendants sold to Pa tridge, Naylor & Co., Liverpool, 5 tons of soda crysta at 12*l*. 18*s*. a ton, which yielded a profit (5*l*. 14*s*.) whi was unreasonable. Mr. Howard Roberts prosecuted behalf of the Director of Public Prosecutions; Mr. F. Kent, who defended, pleaded "Guilty." Mr. Robert in opening the case, said that, prior to the war, this cla of goods was not liable to any speculative transactior because the demand for it was more or less proportiona to the supply. But about last March the home consum tion became enormously increased, and there was also very large demand for it from the Continent. As a resu a considerable number of speculative transactions to place, and there arose a wholly new kind of busine which had crept in solely on account of the large dema and the shortage of supply. The defendants, who we trading as wholesale chemists in Liverpool, purchase on March 6, 1920, from H. Davidson & Sons, Ltd., Liv pool, 1 ton of washing soda, for which they paid 7*l*. 1 They purchased on March 16 a ton from J. & J. Taylor Co., Liverpool, for which they paid 7*l*.; and on March they purchased 2 tons from H. E. Wilson, Ltd., for whi they paid 14*l*., the average price per ton at which th purchased thus being 7*l*. 4*s*. A few days after the l purchase had been made by the defendants they sold t same 5 tons of soda to Partridge, Naylor & Co., Liv pool, for a total sum of 64*l*. 10*s*., showing a profit 44 per cent. on the turnover. Cartage costs were not cluded, and Partridge, Naylor & Co. had to accept deliv of the goods from Heaths' premises. Mr. Kent, for t defence, urged that in addition to cartage his clie had to pay for labour, rental, and establishment charg His worship imposed a fine of 100*l*., with 10*l*. 10*s*. cost

Company Pharmacy at the Cape.

AT a vacation sitting of the Cape Provincial Division of the Supreme Court, on December 30, 1920, Mr. Justice Searle delivered judgment in the application of the Pharmaceutical Society of the Cape Province and Others against the Receiver of Revenue and A. Wood & Co., Ltd. (*C. & D.*, January 15, p. 51). His lordship said: This is an application by the Pharmaceutical Society of the Cape Province, a Society having for its object the protection of the rights and interests of chemists and druggists, and consisting of eighty-one duly qualified chemists, fifty-one of whom carry on business on their own account, and also by certain other practising chemists and druggists, for an order restraining the Receiver of Revenue, the first respondent, from issuing to the second respondent, Wood & Co., a company incorporated here, a licence under Provincial Ordinance 16 of 1920, purporting to enable that company to practise as chemists and druggists, and restraining the company from carrying on the profession of chemists and druggists. The Receiver of Revenue is the officer charged under the Cape Province Licences Amendment Ordinance No. 16 of 1920 with the issue of the licences specified in the schedule thereto; among these are licences for apothecaries, chemists, and druggists. Wood & Co. carry on business at shops in Cape Town, Observatory, and Mowbray.

REGULATION OF PHARMACY.

The profession of chemist and druggist is regulated in this Province by Acts 34 of 1891 and 7 of 1899; and Sections 23 to 25 of the former Act lay down the qualifications of a person to whom a licence to practise as a chemist and druggist may be issued. These sections provide for a four years' apprenticeship to a licensed apothecary or to a chemist and druggist, and for the passing of an examination to the satisfaction of the Pharmacy Board, or the obtaining of a certificate of proficiency from the University; certain duly qualified chemists from abroad also being entitled to obtain the licence to practise. Ordinance 16 of 1920 provides for the issue of apothecaries', chemists' and druggists' licences to firms, partnerships or companies, as well as to individuals. Under Ordinance 14 of 1916, which contained a similar provision, the Receiver of Revenue has issued for the year 1920, just as has been done for several years prior thereto, licences to a number of companies, in the following form:

Apothecary Licence.

Licence is hereby granted to A. Wood & Co., Ltd. (J. Sharp, manager), to carry on the business, trade, profession or vocation of apothecary, at 83 Long Street, Cape Town, to December 31, 1920.

N.B.—This licence is of use and avail only to the person named therein.

In the margin is inserted: "Directors, W. Jopling, R. G. Greenland, W. J. Morris."

Petitioners approached the Receiver of Revenue and asked him to desist from issuing these licences for the year 1921, but he refused to do so, saying that the terms of the Ordinance debarred him from so desisting; he now submits to the Court's judgment. The petitioners allege that this issue of licences enabling corporate bodies to practise the profession of chemists, unqualified persons being interested in those bodies and having a voice in and acquiring profit out of such practice, is in conflict with the interests of the chemists' profession, and the allowing unqualified persons such as some of the members of the respondent company to compete in business against the applicants is in conflict with the material interests of the members of the Pharmaceutical Society and the other applicants, and that the respondent company in unlawfully carrying on the profession of chemist and druggist is competing with the individual applicants and is materially and detrimentally affecting their business.

The managing director of the respondent company points out in an answering affidavit that the Pharmaceutical Society is a purely voluntary body and has no official status to represent the chemists and druggists of the Province, the statutory body being the Colonial Pharmacy Board created by Act 34 of 1891 and Act 7 of 1899; that each of the company's businesses is under the personal management of a duly qualified and registered chemist as provided for by Section 8 of Act 7 of 1899; that this company was incorporated in 1912, and that in each of the licences appertaining to the different places of business the name of the qualified manager is set out, and that the Government authorities always satisfy themselves that this is the case before an annual licence is issued. That there are numbers of companies carrying on business as chemists and druggists in this Province, and that these have done so for many years; it would appear that in the Cape Peninsula one such company has carried on business since 1891, and several others since 1907.

TRADE LICENCES.

The Receiver of Revenue stated that he was, in issuing the licences complained of, only following a practice that had been in existence for many years; that prior to the passing of the Financial Relations Act No. 10, of 1913, the amounts paid by chemists and apothecaries for the annual licences in the Cape Province were paid into the Consolidated Revenue Fund, and not to the Pharmacy Board, but that since the said Act they had been paid to the Provincial Administration. Licences to the respondent company for the years 1913 and 1915 were put in, and these were in substantially the same form as the 1920 licence.

Ordinance 16 of 1920 is styled an Ordinance to amend the law relating to the licensing of trades, businesses, occupations, or callings, and Section 1 provides for the repeal of Ordinance 14 of 1916 and other Ordinances, as from January 1, 1921, and that the licence duties in the schedule to the Ordinance are imposed as from that date. In the schedule, under "Apothecary, Chemist and Druggist," a yearly licence and a half-yearly licence are provided for at fixed sums, and, in addition, an increase in the amount of licence money in respect of the "turnover" of the business, at so much per 1,000*l.* of turnover, with a maximum sum of 300*l.* as the amount of licence money. Section 1 provides that this licence is paid for the sale or supply, either wholesale or retail, of drugs and medicines other than certain "patent medicines"; and the licence covers all business which may be done under a general dealer's licence. Section 2 provides that the licence shall only be issued to a person who has obtained a certificate as a qualified chemist and druggist under the laws and regulations relating to medical practitioners and apothecaries in this Province: provided that a licence may be issued to a firm, partnership, or company, if a duly qualified chemist is in charge of each place of business and whose name must be endorsed on the licence. Each licence shall cover only one place of business.

THE BUSINESS OF A CHEMIST.

For the applicant it is urged that the effect of the Act of 1891 is to prevent any company carrying on a chemist's or apothecary's practice: that there is no such thing, lawfully, as a chemist's "business," that a chemist is on the same professional footing as a doctor or an advocate, and cannot float his practice into that of a company; that the sale of drugs, as well as the making-up and compounding of prescriptions, has all to be not only under skilled management, but under skilled ownership—and that, although the Acts appear to contemplate that there shall be a "shop" for the sale of these articles, that shop must be owned as well as managed by a qualified individual or group of qualified individuals, and that the notion of a company is foreign to the spirit as well as to the letter of the Acts regulating the sale of medicine and drugs. On the other hand, it is argued for the respondent that, as long as the management of the business or shop is in the hands of a duly qualified chemist who is on the register, it does not matter who owns the shop: but respondent's counsel admits that a company cannot be licensed to practise as a chemist within the meaning of Act 34, 1891, and Act 7 of 1899. That admission, I think, counsel was bound to make, and hence the form of

the licence issued authorising the company to carry on the "profession or vocation" of apothecary is distinctly unfortunate, and it is difficult to see how this expression in the licence can be justified.

But it is fairly clear from the terms of the schedule itself that this is a revenue measure, and that the whole object of the Ordinance is to tax the different businesses or shops concerned, and that the most convenient way of collecting the revenue is to license each shop, which is, I gather, what was intended to be done, taking care at the same time that a qualified man is in charge of each shop; this object may be able to be effected in a manner which would not bring it into conflict with the Act of 1891, but at present the terms of the licence do seem to conflict with this Act, and I do not think that the Ordinance can fix any new qualification to practise, not authorised by the Act of 1891. Now if there had been any suggestion in the affidavits that under the guise of the licence now issued, unqualified persons were actually dispensing medicines or selling drugs, no doubt there might be good ground for the Court's prompt interference, but in the absence of any such suggestion the second or subsidiary point taken by the respondent company—namely, that no substantial ground for the Court's interference has been shown, because no damage is shown to have arisen to applicants, must be considered. The damage alleged is certainly somewhat vaguely stated, and it seems on the face of it inferential and remote. It is suggested that powerful companies may defy the Pharmacy Board, and may place professional men such as the qualified managers of the different branch businesses in such subservient and subordinate positions that the best interests of the profession may suffer.

Companies and Firms.

I am not sure, however, that there is a very marked distinction in this respect between the case of such a company of non-professional shareholders and a partnership of two or more qualified chemists who might be dependent for the support of their venture upon capital borrowed under conditions as to repayment of interest and gradual repayment of capital, with inspection of books and other guarantees to the lender, and I should think it likely that such partnerships exist without anyone demurring to them. This system as to registration of chemist companies has apparently been going on without objection from the very year 1891, in which the Medical and Pharmacy Act was passed, and one would think that this must have been known in 1899 when the Amending Act was passed, yet no provision dealing with the position of such companies was inserted. A case in the House of Lords, Pharmaceutical Society *v.* London and Provincial Supply Association, was referred to and relied on by both sides—by the applicant to show that a licensed chemist must be a duly qualified person; and by the respondent to show that it was lawful, before the English Act (31 and 32 Vict. c. 121), regulating the sale of drugs and poisons, was passed, for a company to carry on the business of chemists and druggists, and that the Judges in this House of Lords' case were of opinion that subsequently to the Act it was still lawful for such companies to carry on such businesses if they did so under the management of duly qualified chemists. The point, however, whether a company registered in this Province can, through a duly qualified manager or managers, who receive licences, carry on a chemist's business, need not now be decided.

Proving Damage.

A case that seems very much in point on Mr. Bisset's second or subsidiary argument was quoted—namely, Patz *v.* Greene & Co. (1909 T.S., p. 427), where the Transvaal Court refused to interfere on motion to restrain a person who was carrying on a business on premises upon which he was prohibited by statute from trading, at the instance of another trader, who claimed that he was suffering in his business owing to this unfair competition. The Court, however, in refusing the application, gave the applicant leave to proceed by an action in which to prove his damage, and intimated that if he could prove damage he would be entitled to relief. There was in that case admittedly a *prima facie* case that there had been actual injury, though no proof of interference with trade or of infringement of right. The same may perhaps be said here, though the case here would not appear to be so strong. It is argued that this is a professional matter, and that the whole profession of chemists must suffer by the issue of a licence in this form. But I am not sure that that is the case when the whole of the schedule is read together; though I think that the terms of the licence, in so far as they derogate from the Act of 1891 in purporting to allow a company to "practise," are illegal.

The Society Non-suited.

I am of opinion, therefore, that upon this motion there has not been shown any substantial ground for the Court's interference, applying the principles laid down in the Transvaal case which has been cited. It is a significant circumstance, at all events one requiring some explanation, that the Pharmacy Board, which has been constituted in order to protect and safeguard the interests of the profession, does not appear in support of the application. The application must be refused, but leave will be reserved to the applicants to proceed by way of action, declaration to be filed within a month, and the case to be brought to trial in the April-May term; notice of motion to stand as a summons, and the declaration may ask for such relief as applicants deem to be appropriate after the licence for 1921 has been issued; costs to be costs in the cause; but if the action is not proceeded with as ordered, or not brought to trial within the April-May term, applicants must pay the costs.

Mr. Justice Van Zyl delivered a concurring judgment as follows: In order to determine whether the applicants are entitled to the orders prayed for, it is necessary to ascertain in the first place who the persons are to whom licences to practise as chemists and druggists may lawfully be issued. Sections 23 and 25 of Act 34 of 1891 lay down who those persons are, and from a careful perusal of these two sections it will be seen that the personal training examination and skill required of a person wishing to obtain a licence to practise as a chemist and druggist is of such a nature as to make it impossible for a corporate body to comply therewith. A company, for instance, cannot undergo the apprenticeship nor pass the examination required by Section 23, nor can it obtain the diploma or certificate referred to by Section 25.

A Company's Limitations.

It was, however, urged on behalf of the respondents that the issue of a licence to a corporate body to carry on the business or profession of a chemist and druggist is a sufficient compliance with the requirements of Sections 23 and 25 if the place or shop where such corporate body exercises its rights under the licence is under the charge of a qualified chemist and druggist and the name of such chemist and druggist is endorsed on the licence. I cannot agree with that view. I do not think that a licence issued to an unqualified person, whether such a person be an individual, a partnership, or company, can be legalised or regularised by the mere fact that such an unqualified person exercises his or its rights under the licence at a place of business which is in charge of a qualified chemist. I will go further, and say that in my opinion, even if an unqualified person exercises all the rights under the licence through a qualified chemist and druggist, he or it still remains outside the pale of those to whom licences can legally be issued. I do not think that it is necessary to hold that a place of business used as a chemist's shop must be owned by a qualified chemist and druggist, but I do think that only a qualified chemist and druggist can be licensed to carry on the business, trade, profession, or vocation of a chemist and druggist at such a place. Section 8 of Act 7 of 1899 provides that every chemist's shop shall be conducted under the *bona-fide* and personal supervision of some registered chemist and druggist, but it cannot be deduced from that that the Legislature thereby intended that, provided such a shop is under the supervision of a registered chemist, an unqualified person can be licensed to carry on there the business or profession of a chemist and druggist.

It has, however, been argued on behalf of the second respondent that even if the licence objected to does not comply with the provisions of Act 34 of 1891 and Act 7 of 1899, it is nevertheless lawful by reason of the provisions contained in Ordinance 14 of 1916, and can in future be lawfully issued under Ordinance 16 of 1920. I cannot agree with that view because both of these two Ordinances are merely revenue ordinances, and into neither of them can an intention on the part of the Legislature be read to alter the qualifications of chemists and druggists. I will even go so far as to say that, in my opinion, under the existing law it is beyond the powers of the Provincial Council to alter these qualifications. The fact that licences in the form now objected to have been issued to corporate bodies for more than twenty years without objection being raised thereto cannot, in my opinion, affect the legality or illegality of the matter.

PHARMACY BOARD SHOULD ACT.

I therefore come to the conclusion that licences to carry on the business or profession of chemists and druggists cannot under the existing law be lawfully issued to corporate bodies, and if this application had been made by the Pharmacy Board created by Act 34 of 1891 I think I would have been prepared on the information before the Court to grant the orders prayed for. The present applicants, however, can, in my opinion, only succeed if they prove to the satisfaction of the Court that they have suffered personal damage by reason of the unlawful issue of the licences complained of. There is no such proof before the Court, and in the absence thereof the orders prayed for cannot be granted, but I think that the applicants should be given an opportunity to place such proof before the Court. I accordingly agree that in the order now granted such an opportunity should be given them.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

T. B. ROBSON & CO., LTD. (P.C.).—Capital, 1,000*l*. Objects: To carry on the business of chemists, druggists, drysalters, oil and colour men, etc. The first directors are: T. B. Robson and C. W. Yakins. R.O.: 10 Cheapside, Wombwell.

MERCER WARD, LTD. (P.C.).—Capital, 1,000*l*. Objects: To carry on the business of wholesale and retail chemists and druggists, etc. The permanent directors are: Lt.-Col. J. W. Kynaston, 16 Bayswater Terrace, London, W. 2, and Capt. C. M. Ward, 133 Ilbert Street, London, W. 10.

LEADLESS WHITE MANUFACTURING CO., LTD. (P.C.).—Capital, 25,000*l*. Objects: To carry on the business of manufacturers of all kinds of strontium and barium compounds, colours, dyes, and by-products, and to adopt an agreement with Baron Leconfield. R.O.: 18 St. Swithin's Lane, London, E.C.

STROOD PHARMACY, LTD. (P.C.).—Capital, 1,000*l*. Objects: To carry on the business of chemists, druggists, dentists, opticians, &c. The first directors are: E. Archer, St. Dunstans, 131 Tonbridge Road, Maidstone, and H. B. Burr, 174 Gordon Road, Strood. R.O.: 78 High Street, Strood, Rochester, Kent.

A. ROBINSON (YARDLEY), LTD. (P.C.).—Capital, 1,500*l*. Objects: To take over the business of a chemist, druggist, and drysalter carried on by A. Robinson, at Church Road, South Yardley, Birmingham. The first directors are: A. Robinson and Mary L. Robinson. R.O.: Church Road, South Yardley, Birmingham.

ROBERT PEMBERTON & CO., LTD. (P.C.).—Capital, 2,000*l*. Objects: To carry on the business of chemical merchants and manufacturers, brokers, exporters, importers, etc., and to adopt an agreement with R. E. Pemberton, trading as "Robert Pemberton & Co." R.O.: 6-7 Creed Lane, Ludgate Hill, London, E.C. 4.

LEEDS PHOSPHATE WORKS, LTD. (P.C.).—Capital, 50,000*l*. Objects: To take over the business of a company of the same name, incorporated in 1894, and now in liquidation, and to carry on the business of agricultural chemists, artificial manure manufacturers, buyers of basic slag, and converters of same into manure, etc. R.O.: Midland Road, Hunslet, Leeds.

CROWN PERFUMERY CO., LTD. (P.C.).—Capital, 100,000*l*. Objects: To acquire the business carried on at Sidney Road, Homerton, as the Crown Perfumery Co., to adopt an agreement with C. E. Thomson, W. Thomson, and Annie L. Thomson, and to carry on the business of soap-makers, perfumers, candle, varnish, and paper makers, etc. R.O.: Sidney Road, Homerton, E.

FRY, MCDONALD, LTD. (P.C.).—Capital, 2,000*l*. Objects: To carry on the business of consulting, analytical, mercantile, and manufacturing chemists, drug and chemical exporters and importers, scientific, agricultural, and general commercial chemists, producers of and dealers in salts, alkalies, toilet, cosmetic, and household and other specialities, dealers in superphosphates, guano, and other kinds of manures, fertilisers, etc. R.O.: 166 Piccadilly, London, W.

STANSELL & GREGORY, LTD. (P.C.)—Capital, 5,000*l*. Objects: To take over the business of manufacturers, exporters, and general providers of all kinds of hygienic "containers" for cream, honey and patent and other foods, etc., carried on as "Stansell & Gregory" at 35 Crowland Road, Tottenham, also to carry on the business of manufacturers of cardboard, wood, fibre, metal, and other boxes, etc., for confectioners, druggists, perfumers, and other trades.

LUBRICUM (1921), LTD. (P.C.).—Capital, 300*l*. Objects: To acquire the goodwill and trade-marks of Lubricum, Ltd. (in voluntary liquidation); to adopt an agreement with H. H. Langston-Jones, and to carry on the business of manufacturers of and dealers in veterinary preparations, lubricants, chemicals, drugs, oils, greases, compounds, medical preparations, soaps, proprietary articles, pharmaceutical preparations, etc. R.O.: Compton Works, Weston Street, Bow Common, London, E.

COMPAGNIE COMMERCIALE DU NORD (GREAT BRITAIN), LTD. (P.C.).—Capital, 20,000*l*. Objects: To take over from Carl I. Carlson the business of general merchants and agents, chiefly in chemicals, drugs, produce, and kindred articles, carried on at 54 Gracechurch Street, E.C., by the branch office of the Compagnie Commerciale du Nord Société Anonyme, of 21 Rue Kipdorp, Antwerp. The first directors are: Carl Ivar Carlson, Moss Cliffe, Selcroft Road, Purley; and T. G. Piper, 53 Ingleby Road, Ilford.

BRITISH DYESTUFFS CORPORATION.—The directors have declared a dividend at the rate of 7 per cent. per annum on the preference shares in respect of the half-year ended October 31, 1920.

BLACKAMOOR CHEMICALS AND COLOURS, LTD.—In the Chancery Division on January 25, before Mr. Justice Astbury, a petition was presented by the liquidator of the company for the compulsory winding-up of this company. Mr. Israel for the petitioner said this was the company's own petition, circumstances having arisen which required investigation. His lordship granted the order.

Bankruptcy Reports.

Re Felice Bonaventura & Co. (Felice Adolfo Bonaventura, Hugh Edward Aveline, and Edwin Harrison, trading as), 24 Great Tower Street, London, E.C., chemical merchants, etc.—These debtors attended before Mr. Registrar Hope at the London Bankruptcy Court, on January 19, for public examination. The examination was concluded (see *C. & D.* II. 1920, p. 1594).

Re Reginald Grantham, chemist and druggist, 66 Blossom Street, York. The following are creditors in this bankruptcy (*C. & D.*, January 15, p. 55): Edwin Grantham, York, 845*l*.; J. T. Bamforth, York, 800*l*.; Raimes & Co., York, 45*l*.; F. W. Richardson, Bradford, 21*l*.; Dr. W. Appleyard, Bradford, 16*l*.; Dr. S. H. Smith, York, 14*l*.; S. Maw, Son & Sons, Ltd., London, 17*l*.; Bellerby, Sons & Hartley, York, 12*l*.; and Camwal, Ltd., Harrogate, 13*l*.

Legal Reports.

Liability for Carriage.—In Lincoln County Court, on January 21, the Great Northern Railway Co. claimed 16*s.* 11*d.* warehouse rent from Algernon Lawes, Ltd., London, in respect of a box of drugs forwarded on November 18, 1919, to a Lincoln consignee and refused at Lincoln, as well as by the consignors, who would not take it back. It appeared that the consignment noto gave the consignee as "Hopkinson, Lincoln," and that it was found that there were two people of that name in business in the city, neither of whom would take in the goods. The consignors had refused to take them back or to give instructions how they were to be disposed of. Messrs. Lawes had paid the carriage to Lincoln, but no rent. The company had failed to dispose of the goods. His Honour gave judgment for the amount claimed.

Loss of Starch in Transit.—In the Mayor's and City of London Court, on January 19, the Swift Shipping Agency, Ltd., 117 Queen Victoria Street, made a claim against the owners of the ketch *Alice May*, of Ipswich, for 64*l.* for the loss of sixteen bags of potato starch valued at 4*l.* a bag. Mr. O'Hagan, for the plaintiffs, said the starch was lost out of a lighter chartered by the plaintiffs in the middle of November 1919 to go to the *Kamo Maru*, belonging to the Nippon Yusen Kaisha Line. The starch had to be conveyed from Victoria Docks to Stowage Wharf, belonging to G. & H. Green & Co., Deptford. The master of the barge gave a clean receipt for 840 bags which the plaintiffs desired him to carry. The out-turn was sixteen bags short. Albert Earnsby, manager to Green & Co., said that only 824 bags of starch were received. Five weeks after the goods in question were conveyed witness succeeded in detecting three men who stole sixteen bags of goods, and they were prosecuted and imprisoned. The thieving going on on the river was tremendous. For the defence the master and the two members of the crew of the *Alice May* were called, and said they delivered all the goods that were put on their barge. Judge Jackson said he was quite satisfied that the defendants had received sixteen bags more than they had delivered, and therefore judgment was given for the plaintiffs with costs.

Selling Goods by Auction.—In the Mayor's and City of London Court, on January 25, before his Honour Judge Jackson, Mr. John Sulley, auctioneer, 46 Cannon Street, E.C., claimed 100*l.* against R. Weir, trading as R. Wier & Co., High Road, Woodford, as damages for not clearing goods, including 3 tons of cream-of-tartar substitute condemned under the Sale of Food and Drugs Acts, honey, tooth-brushes, etc., which they bought at auction. Mr. Bell appeared for the plaintiff, and said he held a sale by auction on October 21 by instructions of the Official Receiver in Bankruptcy and others. Defendant purchased various lots amounting to 293*l.* According to the terms of the conditions of sale defendant paid a deposit, and that would be forfeited unless he cleared all the goods by the following day. Defendant did not clear them, and plaintiff had to put the goods up again. There was then a loss of nearly 100*l.*, as the goods only realised 219*l.* on the second sale. Defendant's cheque for 70*l.* was returned. The defence was that the goods were bought privately, and that plaintiff would give defendant sufficient time for resale and allow him to withdraw the goods by instalments paying for each parcel as withdrawn. When plaintiff claimed the whole amount down the defendant stopped the 70*l.* cheque. He said there was no consideration for the payment. Plaintiff denied that the goods were bought privately. Judge Jackson found for the plaintiff for 85*l.* 6*s.* 11*d.*, with costs.

Consignors' Wrong Description.—At Birmingham Police Court, on January 25, W. & J. George, Ltd., and Raymond Hyde, Arthur Hewitt, and James Whitehouse, all of 157 Great Charles Street, were summoned by the Midland Railway Co. for various offences under the Railway Clauses (Consolidation) Act, 1845, Section 99. Mr. Turner, outlining the case against the defendants, said that W. & J. George, Ltd., were scientific-apparatus manufacturers, and Hyde was a despatch clerk, Hewitt a packer, and Whitehouse an assistant-packer in their employ. The section of the Act under which they were summoned made it incumbent on people who sent parcels by rail to give an exact account in writing of the contents. On December 10 the defendant firm sent two cases to be despatched to Wednesfield, purporting on a written form of consignment to contain flint glass. Soon after arrival at the Suffolk Street Goods Depôt one of the boxes was found to be on fire. When the fire was extinguished it was discovered that the box contained a quantity of chemicals, including sulphuric acid, hydrochloric acid, and nitric acid. Apparently the nitric acid, which was packed in wood shavings, had exploded. There was some special kind of packing, added Mr. Turner, for nitric acid, and it was extraordinary that a company like that of W. & J. George should send nitric acid away packed in wood shavings. When the other box was opened it was found to contain an invoice correctly describing what had been consigned, and 3 lb. of potassium cyanide. It was certain that had the fire caused by the other box spread to the one containing the potassium cyanide, a very dangerous gas would have been given off. He must point out that the result of the defendants incorrectly describing the contents of the parcels would have been that the company would save 75 per cent. of the rates which otherwise they would have to pay. Evidence having been given, Mr. Cleaver, for the defence, said that a mistake or muddle had occurred between the three men. The stipendiary magistrate said it was quite clear that there was no more than negligence on the part of the defendants. It was gross negligence, however, and might have had serious consequences. On each of the two summonses for sending dangerous goods the company was fined 10*l.*, Hyde 5*l.*, and the other two defendants 3*l.* The company was also ordered to pay 5*l.* 5*s.* special costs.

Magnesia and Fluid Magnesia Cases.—At Hull Police Court, on January 20, three pharmacists were summoned for technical offences under the Sale of Food and Drugs Acts. In the first case, Mr. George Robert Newton, chemist and druggist, Witham, was summoned for selling to the prejudice of the purchaser 4 oz. of heavy magnesia not of the nature, substance, and quality demanded. He pleaded "Guilty." It was stated for the prosecution that the city analyst's certificate showed that the "magnesia" consisted of magnesium carbonate to the extent of 100 per cent. Mr. G. T. Mainprize, defending, said there was no dispute about the facts, and, unfortunately for his client, the article supplied was not what was asked for. Heavy magnesia was practically unknown to the public, and was rarely, if ever, asked for. It was never prescribed by the medical profession, and, as a matter of fact, Mr. Newton did not keep it in stock. Defendant, thoughtlessly perhaps, came to the conclusion that what was really wanted was magnesium carbonate. Mr. Newton had had fifty years' experience as a chemist. To test the matter, he had since applied to his wholesalers for heavy magnesia, and he had found that they did not stock it.—In the second case, Mr. Robert B. Sawyer, chemist and druggist, Carr Lane, was summoned for selling 7 oz. of fluid magnesia deficient in magnesium carbonate to the extent of 82.3 per cent. Mr. Sawyer, who was defended by Mr. Harry Wray, solicitor, stated that he had been in this shop for thirteen years. He explained the process of making fluid magnesia, and said that this sample was taken from a bottle of 40-oz. capacity. There was only 7 oz. left. Personally, he would not have sold this: there were plenty of sealed bottles in the shop, and that was how he generally sold it. He did not know where his assistant unearthed the bottle from. Cross-examined, defendant said he was not aware that a previous informal sample had been obtained. If so, the solution was taken from the same bottle, but without his knowledge.—In the third case, Mr. Arthur P. Metcalfe, Ph.C., Whitefriargate, was also summoned in respect of a sale of fluid magnesia, the deficiency of magnesium carbonate being 50 per cent. Mr. Metcalfe said he succeeded his father in his business, and they had never had any sale for fluid magnesia in bulk. He found the same state of things in his bottle as Mr. Sawyer had done.

The magistrates intimated that they were obliged to convict, but they would inflict the smallest possible penalty in each case—21*s*., including costs. The chairman said that, knowing the defendants, they felt sure there was no intention to defraud the public in these cases; but the proceedings must be taken for the protection of the public. They only imposed a small fine as a deterrent to other people.

A Saccharin Deal.—The case of Scaliaris *v.* Ofverburg & Co. came before the Court of Appeal, consisting of Lords Justices Bankes, Scrutton, and Atkin, on January 20, upon the appeal of the defendants, of St. Swithin's Lane, London, E.C., from a judgment of Mr. Justice Rowlatt (*C. & D.*, II., 1920, p. 923). The plaintiff, Nicol Leon Scaliaris, brought the action to recover an amount paid in respect of a deal in saccharin, and damages for breach of contract. Plaintiff's case was that in August 1918 he purchased from the defendant 1,200 lb. of saccharin, of the Monsanto brand, 550 strength, f.o.b. New York, at $40 per lb., less 2 per cent. discount. Plaintiff paid the defendants 13,382*l*. for the saccharin, 251*l*. freight, 362*l*. insurance, and also duty at 132*s*. per lb. The saccharin was delivered, but it was alleged that it was not "Monsanto brand." Plaintiff bought it for resale as Monsanto brand, and in February sold to Gaston, Williams & Wigmore, with a warranty that it was Monsanto brand. It was delivered, and the sub-purchasers paid the plaintiff. The sub-purchasers, however, rejected 400 lb., and claimed repayment on the ground that it was not Monsanto brand. This matter went to arbitration, and the umpire held that the delivery was not a good and valid delivery, and Gaston, Williams & Wigmore were entitled to repayment. The award was stated as a special case, and came up on appeal before Mr. Justice Bailhache, who upheld the award; and under that award, as the plaintiffs had paid the sub-purchasers some 4,500*l*., plaintiffs claimed this amount from the defendants, and 335*l*. loss of profit. Defendants' case was that the examination of the saccharin should at latest have taken place at Glasgow before resale, and rejection made there. Mr. Justice Bailhache found that the plaintiffs had examined the goods at the first reasonable opportunity in London, and that there had, in the circumstances, been proper rejection. Defendants now appealed. Mr. Freburn, in support of the appeal, contended that the examination ought not to have been delayed for three weeks till the goods reached London, and when, as it happened, the market had turned against the sellers. The examination should have taken place at Glasgow, where it was shown that the plaintiff had agents. Counsel added that the goods were, in fact, manufactured by the Monsanto people, but they had been repacked by other people, who put their own label on the goods in place of the Monsanto label. That, apparently, was a common practice in America. Without calling upon counsel for the respondent, their lordships dismissed the appeal, with costs, holding that the tender of the 400 lb. of saccharin in question was not a good tender, that the examination of the goods which had taken place in London was, in the circumstances, reasonable, and that the plaintiff was entitled to treat the examination of the saccharin by the sub-purchasers as an examination by himself.

Price of Crude Glycerin.—In the Supreme Court, Cape Town, on December 7 and 8, before Judge-President Sir John Kotze and Judges Searle and Van Zyl, the argument on the plea in Bar was heard in the case of The Cape Explosives Works, Ltd. *v.* Lever Bros. (S.A.), Ltd. The plaintiffs had issued a summons for the recovery of an amount of 17,818*l*. 8*s*. 10*d*., overpaid by them under the mistaken belief that the price of soap lyes crude glycerin had been raised by the Imperial Government from 59*l*. 10*s*. to 120*l*. per ton. The declaration set out that in May 1916, and at Somerset West, plaintiff and defendant had entered into a contract in writing for the sale by the defendant to the plaintiff of defendant's existing stock of saponification and soap lyes crude glycerin at the fixed English prices as determined by the Imperial Government. In September 1916 it was further agreed that defendant should sell to plaintiff its current production of crude glycerin so long as the existing control of glycerin within the Empire continued to be exercised by the Imperial Government. In June 1918 the defendant wired plaintiff that the Imperial Government had fixed the issue price of glycerin for industrial explosives at 120*l*. as from July 1, 1918, and in reply thereto the plaintiff wired agreeing to pay that price for the deliveries after July 1, 1918. The plaintiff had since been informed that the price of 120*l*. was not a price fixed for sale by the soapmakers on requisition by the Imperial Government in substitution for the aforesaid charge of 59*l*. 10*s*., but was an average price at which the Imperial Government as from July 1, 1918, sold to consumers the supplies which it requisitioned from soapmakers within the United Kingdom at 59*l*. 10*s*. per ton, *plus* supplies which it purchased in other countries at prices far in excess of 59*l*. 10*s*. per ton. Whereupon the plaintiff prayed that the contract of June 1918 might be set aside or rectified so as to substitute 59*l*. 10*s*. as the fixed price for soap lyes crude glycerin in place of 120*l*., and sought repayment of the sum of 17,818*l*. 8*s*. 10*d*., amount overpaid under the aforesaid circumstances. The defendants had objected to the jurisdiction of the Cape Provincial Division on the ground that the company was registered in England, having its office at Liverpool, and that the contract was entered into or completed at Durban, Natal, and not in the Province of the Cape of Good Hope; that therefore Durban was and is the *locus contractus*, and that the contract was to be performed to some small extent only in the Cape Province, and that therefore the company was not subject to the jurisdiction of the Cape Provincial Division of the Supreme Court. Mr. Watermeyer, for the defendants, on the plea in bar, said the contract was completed at Durban on receipt of plaintiff's acceptance of the offer made by the defendants, and not on the letter declaring plaintiffs' acceptance having been posted at Somerset West. This may be so in English law, although the decisions on the point are not very clear as to the reason for that decision, but it is not Roman-Dutch Law. The Court reserved judgment.

Mercury Ointment Case.—At Ashton-under-Lyne Police Court, on January 17, Boots Cash Chemists (Lancashire), Ltd., Old Square, were summoned for selling mercury ointment not of the quality demanded. Mr. B. F. Robinson, prosecuting, said that Charles Sharples, an employee of the Ashton Corporation, went into the shop and ordered a shillingsworth of mercury ointment. He was asked what he required it for, but said, "I have been told to ask for mercury ointment." He was told that there were twelve sorts of mercury ointment, but made the same reply. He was given some ointment in a box without a label. The ointment, on analysis, proved to contain 15 per cent. of mercury—only half the quantity required by the British Pharmacopœia. Sharples gave evidence of purchase. In reply to Sir William Cobbett, who appeared for the defendants, witness said there was nothing on the box to indicate the contents. "I was waiting for the crucial moment," he added. Sir William: What was the crucial moment?—When I got hold of the box. (Laughter.) Mr. S. Melling, F.I.C., the borough analyst, said he would expect to receive the B.P. preparation because it was the official one. He was not a medical man, and could not say if it was unwise to use B.P. mercury ointment except under medical advice. Dr. J. W. Talent, medical officer of health, was cross-examined on this point by Sir William Cobbett. He did not agree that the chemist should decide what particular strength was required. It was possible that an enormous amount of the ointment would do some harm. Mr. Robinson said the prosecution did not submit there was any attempt at fraud. For the defence, Sir William Cobbett said it was a question what must be the proper reasonable course to be taken by a chemist. He submitted that it was nothing unusual for mercury ointment to be supplied at a weaker strength than that of the B.P., and that the usual course was that the customer was asked what the ointment was required for, because it was a dangerous thing to use. If it was ordered in a doctor's prescription it was supplied of B.P. strength. The object of having a qualified man in each shop was to protect the public

against themselves. Formerly, when lard and suet were cheaper, the milder ointment was sold slightly cheaper, but, owing to the increased price of these commodities, it made no difference which kind was sold. Mr. E. S. Waring, chemist and druggist, a director of Boots, Ltd., said he had been a qualified dispenser for about forty years, and had always sold two strengths of the ointment. If no reasonable explanation was given why the B.P. article should be supplied, the customer was always given the milder ointment. In reply to a magistrate, he said he did not think it was necessary to tell customers they were receiving a weaker article, but he would label the box. Mr. F. W. Bates, J.P., chemist and druggist, Brooks Bar, Manchester, stated that in the British Pharmaceutical Codex there was a prescription for a mercury ointment containing 15 per cent. of mercury. He would only supply the B.P. strength under a medical prescription, or if a customer indicated that he knew why he wanted the standard strength. Mr. Harry Turner, the assistant who supplied the ointment, said that Sharples apparently could not tell him what he wanted it for; witness showed him a jar containing the mild ointment, and Sharples said, "That's it." The presiding magistrate said the Bench were of the opinion that an offence had been committed. They did not think the defendants should sell an article which was not asked for, and was inferior to the article asked for, without acquainting the purchaser. They regarded the case, however, as a technical offence, and agreed to dismiss it on payment of 10*l*. 10*s*. costs.

Quinine Wine Warranty.—A King's Bench Divisional Court, consisting of Justices Coleridge, Avory, and Salter, had before them, on January 20 and 21, a special case stated by the Hull magistrates in the case of Jeynes *v.* Hindle, upon the dismissal by them of an information charging an offence under the Sale of Food and Drugs Acts (*C. & D.*, II, 1920, p. 1164). The information related to the sale of a bottle of quinine wine, and was dismissed on the ground that the defendant had proved that he had purchased the article in question as being the same in nature, substance, and quality as that demanded, and with a written warranty to that effect. Mr. Scholefield appeared for the appellant, Charles Jeynes, Inspector of Food and Drugs; Mr. Hurst, K.C., and Mr. Frampton represented the respondent, Mr. Edward Hindle, pharmaceutical chemist, Hessle Road, Hull. Mr. Scholefield said the short point for their lordships' decision was whether there was any evidence before the magistrates entitling them to hold that there was such a written warranty as alleged. The special case stated that the information preferred against the respondent was "unlawfully serving, to the prejudice of the purchaser, a certain drug—to wit, a bottle of quinine wine—which was not of the nature, substance, and quality demanded by the purchaser." The appellant went to the shop of the respondent and requested to be served with a bottle of quinine wine. The respondent's assistant first produced a bottle of Wincarnis, which the appellant refused. The assistant then produced a bottle of orange quinine wine, for which the appellant paid 3*s*. 2*d*. The appellant then disclosed the fact that he wanted the wine for analysis. Respondent requested the appellant to shake it up, as it had been standing for some time, and he also called attention to the fact that the cork had been sealed and the seal had not been tampered with, and round the bottle was a printed notice, "Made according to the British Pharmacopœia." It was proved by the respondent (the special case stated) that the bottle was one of a number of similar bottles he had purchased from some Leeds manufacturing chemists, that the wine was to be quinine wine made according to the British Pharmacopœia, and was sold as such, and that he had not received from them any written warranty other than that contained upon the bottle. Mr. Hurst, K.C., for respondent, said that Section 25 of the Sale of Food and Drugs Act, 1875, under which the point in the case arose, had been the subject of a great many decisions, and when the whole of these decisions were considered there was no real difficulty about the proper interpretation of the Section. There were four conditions of a successful defence of warranty. There was no dispute that the respondent had complied with three of them, and the only question was whether he had proved to the satisfaction of the justices that he purchased the article in question as the same in nature, substance, and quality as that demanded by the purchaser, and with a written warranty to that effect. His (counsel's) submission was that not only was there evidence before the justices of compliance with all the requirements of that Section, but there was evidence that respondent purchased with a written warranty. The words "Orange quinine wine made according to the British Pharmacopœia" were a written warranty and nothing else. Mr Justice Coleridge, giving judgment, said that respondent purchased the wine from the manufacturers under a verbal statement that it was quinine wine, and then the invoice gave the same description. The goods, when delivered, had a label with the notice "Made according to the British Pharmacopœia." The article turned out to be adulterated, and the only question for the Court's decision was whether the respondent purchased it as the same in quality as that asked for by Mr. Jeynes, and whether the label was evidence of warranty. He thought the evidence did not show there was any written warranty at the actual time of the purchase, which was what the Act required. Justices Avory and Salter agreed. Their lordships accordingly allowed the appeal, and remitted the case to the justices to convict.

Dangerous Drugs Act.

A Further Protest.

FOLLOWING up the reply from the Home Office (*C. & D.*, January 15, p. 58), the Secretary of the Pharmaceutical Society has addressed the following letter, dated January 22, to the Home Secretary:

The Committee of my Council referred to in the last paragraph of my letter of December 6, 1920, have met, and have considered your reply of January 7, 1921.

The Committee direct me to express their extreme regret that, without any notice to the Council or Committee, the Draft Regulations were published, and no opportunity given to the Committee to place before the Home Secretary their suggested modifications. That regret, they believe, will ultimately be shared by the Secretary of State when he has had the opportunity of considering the criticisms and the expressions of consternation which he will inevitably receive from the medical, dental, and veterinary practitioners who have to prescribe, and from pharmacists who have to dispense the medicines dealt with by the Regulations.

The Society have never contested the necessity, in view of the Convention, for certain Regulations being made, but the Committee deplore the fact that the Draft Regulations bear on their face convincing evidence that the Home Office are without the knowledge of the conditions surrounding the supply of the substances dealt with, or that they have prepared the Regulations with a deliberate and ruthless disregard of those conditions.

It is, in the opinion of the Committee, unfortunate that the growing and very natural feeling of resentment on the part of all sections of the community against Government interference should be accentuated by the publishing of Draft Regulations which involve the maximum of inconvenience without achieving the objects they are intended to secure.

The Committee are of opinion that the Regulations as drafted cannot possibly be complied with.

The Committee note the offer of the Secretary of State contained in your letter that "any representations on details" which the Society may wish to make will be considered carefully before the rules are finally made. It will, of course, be the duty of the Society to avail themselves of the opportunity of submitting suggestions for modifying the Draft Regulations—an opportunity for which they are indebted to the right conferred upon them in common with other interested bodies by Parliament in the Rules Publication Act.

A series of suggestions for amendment will be submitted to the Council of the Society which meets on February 2, and they will be forwarded to you without delay. The Committee, however, wish me to say at this stage that their suggestions for amendment will embody more than "representations on details," for their objections to some of the Regulations are necessarily fundamental.

Unworkable in Hospitals.

"The Hospital" publishes the following criticism of the Draft Regulations:

We have previously outlined the provisions of the Dangerous Drugs Act, 1920, and drew attention to the fact that pharmacists in retail business were made "authorised persons" to have in their possession and supply, under certain conditions, substances mentioned in the Act, whereas no express provision was made covering pharmacists engaged in dispensing at public hospitals and institutions. The Regulations have now been published in draft form, and we predict that, if passed without amendment, the practice and customs of supplying medicinal preparations containing the drugs will be revolutionised. The drugs to which the Act applies are cocaine, ecgonine, morphine, diamorphine (or heroin), medicinal opium, and any preparation or admixture of these drugs containing not less than one-fifth per cent. of morphine or one-tenth per cent. of cocaine, ecgonine, or diamorphine.

The very wide field which this covers is to be noted. For instance, practically *all* morphia preparations, such as tincture of opium, Dover's powder, gall and opium ointment, injection tablets, etc., may not be supplied except on a prescription signed by a registered medical practitioner with his full name, qualifications, address, and the words "Not to be repeated": the prescription, too, must be retained in the premises (dispensary) where it is dispensed, and, finally, an entry of every supply must be recorded in books kept for the purpose solely. A separate book must be kept for each drug, so that five books will be required!

All of the drugs bought must be entered up in its appropriate book, both by the wholesale drug supplier and the hospital pharmacist who receives the goods.

No indication is given in these elaborate Regulations as to the procedure to be adopted in recording the buying or sale of preparations containing two or more of the drugs, and we suggest that, for hospital practice, *one* book—such as the usual stock book or ledger denoting drugs bought—ought to suffice. We propose to give briefly the particular clauses which are likely to affect hospital work.

No person may be in possession of the drugs unless he can prove these were supplied on the order of a medical practitioner; but the Secretary of State may grant an exemption from this Regulation in respect of the dispensing of the drugs at a public hospital.

It would appear that this clause is intended to allow, say, a ward sister to have in her possession supplies of the drugs for use as ordered by the medical officer; it would obviously be ridiculous to have to send to the dispensary for every dose of morphia injection required.

The details required from medical practitioners ordering prescriptions at hospitals are absolutely unworkable, and we suggest that bed cards should be accepted under the Act as "prescriptions," initialled by the medical officer in charge; these are always filed, and whilst they would not be retained in the actual dispensing premises, they could easily be referred to if required. The records to be kept by the hospital pharmacist, if insisted on, will prove very onerous, and necessitate clerical assistance in the dispensary.

Again, whilst a retail pharmacist may manufacture any preparation or admixture of the drugs, the hospital pharmacist, apparently, has no power to do this, but only to be in possession of and supply the drugs.

The position created is quite preposterous, and would practically mean that all preparations covered by the Act would have to be bought ready made. What would become of the pharmaceutical laboratories at our large hospitals which contribute so largely to supply preparations of guaranteed efficiency at reduced cost?

Paragraph 13 of the Regulations would render it necessary for a hospital requiring supplies of the drugs to send a messenger with a signed order authorising him to receive the goods.

A hospital, say at Cambridge, requiring urgently a morphia preparation could not wire or telephone to the London wholesaler for it to be sent by post or train, even if a confirmatory written order was to follow by post.

The Regulations have been designed to stop illegal doping, but we suggest that there is no evidence that supplies have been obtained illicitly from hospitals, and the imposition of such records which the Regulations demand will add to the financial burden of our hospitals and hinder illegitimate and urgent use of the drugs.

It would be a good plan if the Home Office, even at this stage, would set up an Advisory Committee of Hospital and Institution Pharmacists to make recommendations as to the application of the Regulations to public hospitals and institutions.

British Chemical Trade Association.

IN the Bulletin of the British Chemical Trade Association, issued on January 24, several items of importance to the chemical trade are dealt with, including the following:

Commercial Reports of Foreign Importers.

The Department of Overseas Trade has arranged for its overseas representatives throughout the world to forward complete reports on all importers of chemicals of all descriptions, dyestuffs and colours, oils, gums, etc. These reports will contain the following information:

Name and address of the firm; names of directors; financial standing—capital stated if possible—the products they import, any other useful information.

The Association has signed an agreement with the Department of Overseas Trade, and it has been arranged that all reports received by them in which any of the above products are mentioned shall be handed on to the Association. They will then be immediately re-distributed to all members. As these reports will come in from all parts of the world and will probably run into some hundreds, they will, when completed, be of much practical assistance to members. Only firms who are considered to be of good standing will be reported on. Members are advised that they are at liberty to get in touch with the firms mentioned. These reports are compiled by officers personally acquainted with the country and firms and are post-war, up-to-date reliable information. Their value, if treated in the proper manner, cannot be overestimated. The reports are not issued by the Department to individual firms, but only through approved trade organisations. They must, in all cases, be treated as confidential, and in no circumstances must they be sent abroad.

Restrictions on the Export of Dyestuffs, etc.

In Bulletin No. 8, August 28, 1920, the Association published an official notice issued by the Board of Trade, which was the result of a deputation from the Association meeting the officials of the Department in connection with this matter. On January 1, 1921, the Association notified members in Bulletin No. 15 that the restrictions on the export of dyestuffs, etc., would be practically withdrawn early in the New Year. The Association now have pleasure in stating that, as the result of their continued representations, the trade will be allowed to export practically all such products, without having to furnish the Department with a "manufacturers' certificate." The fact that an applicant has the goods in stock will in future ensure the issue of the licence.

The Association claim that it is due to their efforts in the past that it has been decided to do away with the "manufacturer's certificate." Should any members have any difficulty in the future, the Association will be very pleased to take the matter up on their behalf.

Dyestuffs (Import Regulation) Bill.

Definite instructions as to the manner in which these restrictions will be carried out are not yet complete. The Association, however, have gathered the followng information. In the meantime the Board of Trade are being urged to issue complete details. In the first place, members are informed that "The Central Importing Agency"—through which, under the old restrictions, all importations were carried out—will not be revived. Importers, upon receipt of their licence, will carry out the importation in the usual way, and will not have to hand it over, together with information of a confidential nature, to a trading firm such as the late "Central Importing Agency" was. It will be remembered that when the old restrictions were in force the Association made a strong protest against the appointment of this Agency to which importers were forced to disclose their business connections, and there is no doubt that the petition to the Prime Minister, which the Association organised in a very successful manner, has had the desired effect of obtaining the abolition of the Agency. Applications for licences should be addressed

to the Secretary, Dyestuffs Advisory Licensing Committee, Danlee Buildings, 53 Spring Gardens, Manchester, and should contain the following information :

1. Description of goods (brand mark in case of dyes).
2. Quantity and approximate value of each item.
3. Name and address of manufacturer abroad.
4. Name and address of consignor and ports of shipment and arrival.
5. Particulars of packages and marks where known.
6. Reasons for importation, including an indication of the purpose for which the goods are to be used.
7. Estimated period for which the goods in question will suffice.

With regard to No. 6, applicants need not, unless they like, give the name of their customer. The Department may, however, require this information, in which case they would refer the matter back; this would entail a slight delay in the issue of the licence. It is understood that this information will be treated by the Department as confidential, and that it will not be handed to members of the Advisory Committee unless there is good reason for so doing. Under no circumstances will licences be issued for the importation of goods on consignment. An applicant must have a definite order for the goods he desires to import. The question has been taken up with the Department as to importations of pigments and dry colours containing only a small percentage of synthetic dyestuffs, and it is hoped to obtain a ruling that such goods will not come within the scope of the Bill. In the meantime applications for the importation will receive favourable consideration. Further information will be issued as soon as available. The Association will be pleased to assist members in any difficulty they have in connection with these restrictions. Correspondence will be treated with strict confidence.

Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Monday, January 31.

Chemical Society, Lyceum Club, 133 Piccadilly, London, W., at 8 P.M. Dinner to celebrate the admission of women to the Society. Dr. Smedley Maclean will occupy the chair.

Tuesday, February 1.

South-Western Chemists' Association, Westminster College of Pharmacy, 190 Clapham Road, London, S.W., at 8.30 P.M. Mr. J. W. Deakin on "The Present Pharmaceutical Outlook."

Wednesday, February 2.

Scottish Pharmaceutical Federation (Edinburgh branch). Whist-drive.

Pharmaceutical Society of Great Britain, 16 Bloomsbury Square, London, W.C., at 11 A.M. Council meeting.

Thursday, February 3.

South-East London Chemists' Association, Unitarian Hall, High Street, Lewisham, at 6 P.M. New Year Party (whist, dancing, and games). Tickets (2*s*. 6*d*. each, including refreshments) from Mr. W. C. Sayers, 63 High Street, Lewisham, S.E.13, or Mr. J. Turner, 16 Inchmery Road, Catford, S.E.6.

Chemical Society, Burlington House, Piccadilly, London, W., at 8 P.M. Meeting.

Friday, February 4.

Sheffield Pharmaceutical Students' Association, Wentworth Café, at 8.30 P.M. Mr. Fanist on "First-aid in Pharmacy."

Business Changes.

A. OPIE & CO., LTD., chemists, Market Place, Penzance, have acquired, as from January 17, the business of W. Bray & Co., Ltd., chemists, Redruth.

MR. W. HOLFORD MEYER, chemist and druggist, Tiverton, has acquired the business of the late Mr. W. Leslie, chemist and druggist, 5 Castle Street, Ludlow.

A CARGO of 5 tons of chemical products, including magnesium chloride, was received by Burgess & Co., Swansea, recently, by the s.s. *Philotes*, from Hamburg.

Personalities.

MR. S. F. BODY, chemist and druggist, Southend-on-Sea, has been elected Vice-President of the local chamber of trade.

MR. F. STANLEY CLARKE, Ph.C., has been appointed manager of the works and laboratories of The William Browning Co., Ltd., London, N.W. 1.

MR. A. H. JONES (Ayrton, Saunders & Co., Ltd., Liverpool) has been elected to represent Leeds at the next annual meeting of the United Kingdom Commercial Travellers' Benefit Society.

MR. J. J. BOOTH, of Booth & Co., wholesale druggists, Idle, Bradford, was presented with an inscribed salver by the members of the Bradford Cricket League, of which he is President, on January 22, the occasion of his fiftieth birthday.

MR. HORACE S. HICKEY, son of Mr. Harry Hickey (Parke, Davis & Co.), has joined the representative staff of The William Browning Co., Ltd., manufacturing chemists, Albert Works, Park Street, London, N.W. 1, and is covering a South-Eastern ground.

MR. M. A. J. NOBLE, Bombay, Indian controlling agent to several manufacturing chemists and wholesale druggists, is now on a visit to London. Mr. Noble has recently been elected a fellow of the Institute of Directors, London, E.C.

MR. DAVID A. EVANS, chemist and druggist, Bath, who is President of the local chamber of commerce, occupied the chair on January 17 at the annual dinner of that body. Mr. Evans was instrumental in the passing of a resolution in favour of reversion to Imperial penny postage at the recent meeting of the Associated Chambers of Commerce held in London.

LIEUTENANT IVOR THOMAS CLEMENT, son of Mr. H. E. Clement, chemist and druggist, Hampton Hill, has been awarded the Military Cross for gallantry in the field. Lieutenant Thomas was educated at Hampton Grammar School, and matriculated at the age of sixteen. He intended taking up science, but was prevented by the war. On passing out of Sandhurst he received a commission in the Royal Berkshire Regiment, and was subsequently ordered to Mesopotamia, where he has been doing duty with the armoured cars.

PHARMACY was well represented in Masonry at the installation ceremony of the Edwinstowe Lodge, No. 3,998, held at the Masonic Hall, Nottingham, on January 14, when Bro. W. Meakin was installed as Worshipful Master; Bro. S. H. Plattin (Vice-President of the Nottingham Pharmaceutical Association) as Senior Warden; and Bro. G. F. Godson (President of the Association) as Junior Warden. Among the visitors, who numbered over sixty, were Wor. Bro. E. C. Carr (secretary of the Association) and Wor. Bro. G. J. R. Parkes (The British Drug Houses, Ltd.).

MR. FREDERICK J. SMITH, the newly elected President of the Proprietary Articles Trade Association, is a partner in the well-known firm of Sangers, Hampstead Road and Euston Road, London, N.W. 1. Mr. Smith is the eldest son of the late Mr. David F. Smith (who was also a member of the same firm), and was born forty-three years ago. On leaving the Philological School, London, he acquired some business experience in banking and otherwise before joining his father's firm in 1901 as a buyer. Promotion to a partnership followed in due course, and in 1913 Mr. Smith enlarged his knowledge of the world's commerce by visiting Canada and the United States. Always a strenuous worker, Mr. Smith has been chairman of the wholesale section of the P.A.T.A. for

MR. F. J. SMITH.

me years, and much of the credit for the continued ticable relations between the manufacturers, wholelers, and retailers in the Association is due to the tact has shown during his long term of office on the council the P.A.T.A. Mr. Smith is also chairman of the holesale Druggists' Sundries and Proprietaries Associa-n.

Marriage.

ROWE—LAKE.—At St. Sidwell's Church, Exeter, on nuary 20, Charles Nosworthy Rowe, Dar-es-Salam, ıst Africa, only son of Mr. Frank Rowe, chemist and uggist, Starcross, to Edith Maude, second daughter of r. J. H. Lake, Ph.C., Exeter.

Deaths.

BOURQUELOT.—The death is announced in Paris of ofessor Elie Emile Bourquelot, Chevalier of the Legion of Honour, Vice-President of the Academy of Science and the Academy of Medicine. Professor Bourquelot was born at Jandun in 1851. He passed his examination for the degree of *docteur ès sciences* in 1884, and became professor of pharmacy in the Paris School of Pharmacy in 1897. From 1886 onwards the name of Professor Bourquelot is of frequent occurrence in the index of the "Year-Book of Pharmacy" as the author of pharmacological monographs.

PROF. E. E. BOURQUELOT.

n the publication of the present French Codex in 1908 courteously gave a correspondent of THE CHEMIST AND RUGGIST some particulars in advance in an interview . & D., II., 1908, p. 309). In the following year he was esent at the International Congress of Applied Chemis- in London, and contributed a paper on "The Employnt of Emulsin in Testing for Glucosides in Vegetable oducts." At the International Congress of Pharmacy The Hague in 1913 he read a monograph on "The nthesis of Glucosides by Ferments." His well-known ok on soluble ferments was published in 1896. As editor the "Journal de Pharmacie et de Chimie" and as a lliant man of science his reputation was world-wide.

BUCK.—At Stoke-on-Trent, on January 25, suddenly, llowing influenza, Mr. Morton Buck, representative of Chesebrough Manufacturing Co., 42 Holborn Viaduct, ndon, E.C. 1, in Lancashire and Yorkshire. Mr. Buck ll represented the company for ten years, and was hly esteemed, both in the London office and among numerous customers.

FELTHOUSE.—At 18 High Street, Chipping Norton, on nuary 19, of pneumonia, Mr. Arthur George Felthouse, emist and druggist, aged forty-eight. Mr. Felthouse ved his apprenticeship with J. & H. A. Averill, emists, Stafford, and, after gaining a West-End experi-e and qualifying, opened in business in Highbury Park, ndon, N. Seven years ago he left London for the sake his health, and acquired the business of Mr. H. W. G. rris at Chipping Norton He was widely known and pected in the borough, and last November became a mber of the town council. A memorial service was ld in the Parish Church on January 21, attended by the yor and several other well-known inhabitants of the town. The interment took place at Weston-upon-Trent, numerous wreaths bearing witness to the esteem in which Mr. Felthouse was held.

HARDING.—At 632 Stockport Road, Longsight, Manchester, on January 16, Mr. Edward Harding, chemist and druggist, aged seventy-one. Mr. Harding, who was a native of Old Withington, Cheshire, was apprenticed to a brother-in-law in the Midlands, and enlarged his experience as an assistant with Mr. Peter Squire, Oxford Street, London, W. He qualified in 1874, and, after another two years in Mr. Squire's establishment, opened in business for himself in Cornbrook, Manchester. He took over the Longsight pharmacy of Mr. John Thorpe in 1880. Mr. Harding was predeceased by his wife and his eldest son, a medical man. He leaves two sons, one of whom is in practice as a dental surgeon at Barrow-in-Furness, and two daughters. The interment took place at the Southern Cemetery, Manchester, on January 19: the Manchester Pharmaceutical Association was represented by Mr. G. H. Haines, Ph.C., and Mr. F. B. Flint.

HITCHCOCK.—At Cherwell Lea, Banbury Road, Oxford, on January 24, Mr. Edmund Lilley Hitchcock, chemist and druggist, aged seventy-two. Mr. Hitchcock was for many years in business at 108 High Street.

MOORE.—At Regent House, Birstall, Leicester, on January 5, Mr. John Moore, chemist and druggist, aged eighty-four.

SHUKER.—At Willestrew, Lamerton, on January 17, Mr. Charles Beddoes Shuker, chemist and druggist, aged fifty-eight. Mr. Shuker served his apprenticeship in pharmacy to Mr. W. H. G. Weaver, Oswestry, and gained further experience at Colwyn Bay, Chelmsford, and Whitechurch (Shropshire). He qualified in 1885 after studying at the Westminster College of Pharmacy, and opened in business for himself at Plympton in 1889. Removing to Launceston a few years later, he founded the business now known as Shuker & Reed, Ltd. Mr. Shuker took a keen interest in public and sporting affairs, and was Master of the Tetcott Hounds until failing health compelled his resignation. He was elected a member of Launceston Town Council in 1897, and filled the office of Mayor of the borough from 1901 to 1903.

MR. C. B. SHUKER.

SMITH.—On January 25, Gladys, dearly loved daughter of Mr. Frederick Smith, Ph.C. (secretary, Birmingham Pharmaceutical Association), 221 Soho Road, Birmingham, aged twenty-three.

SPITTA.—At 41 Ventnor Villas, Hove, on January 21, Mr. Edmund Johnson Spitta, M.R.C.S., L.R.C.P., aged sixty-eight. Mr. Spitta was a past-Vice-President of the Royal Microscopical Society and a past-President of the Quekett Microscopical Club. He was the author of "An Atlas of Bacteriology," and of monographs on microscopy and cognate subjects.

THOMAS.—At Newlands Park, London, S.E. 26, on January 8, Mr. James John Thomas, Ph.C., aged seventy-one.

WALKER.—At the residence of his father, Market Place, Cockermouth, on January 21, Mr. John Robert Walker, Ph.C. (Wallas & Co., chemists, 36 New Cavendish Street, London, W. 1), elder son of Mr. Joseph Walker, aged forty-seven. Mr. Walker was a Bell scholar in 1894, and in the following year gained several medals and certificates at the Bloomsbury Square School of Pharmacy. He passed the Major examination in 1896, and a few years later became the manager, and eventually the proprietor, of the business at 36 New Cavendish Street.

WICKS.—At Reading, on January 11, Mr. Harry Gilbert Wicks, chemist and druggist, aged forty-nine.

Trade Notes.

WEIGHT CARDS.—Ayrton, Saunders & Co., Ltd., Liverpool, are sending out, free on application, weight cards with space for retailer's name.

DR. BENGUÉ'S BALSAM.—Special terms and showcards for Dr. Bengué's Balsam are offered by Dr. Bengué & Co., manufacturing chemists, 52 Charlotte Street, London, W. 1.

WIRE CORKSCREWS.—A. F. Timson, 6 Rue Mathilde-Courbevoie (Seine), France, are specialists in wire corkscrews for eau-de-Cologne and other bottles. Samples and prices are sent on request.

ATREPTOS CANISTERS.—Interesting details regarding an entirely new idea in canisters are given in the announcement in this issue of Eeles, Walker & Co., Ltd., Crescent, Cambridge Street, Birmingham.

QILLANDQUER EXTERMINATOR, made by the Unique Rat Exterminating Co., Copster Green, Blackburn, is advertised in this issue. It is specially designed for ridding mansions and institutions of rats and mice.

CHAS. L. HUISKING, LTD., 74 Great Tower Street, London, E.C. 3, have been appointed sole agents in the United Kingdom for the old-established firm of Arthur Oulmann, of Leghorn, Italy, exporters of drugs, oils, and other produce.

BRITISH INDUSTRIES FAIR.—Among the exhibitors at this Fair, which opens at the White City, Shepherd's Bush, London, on February 21, are Eley Bros., Ltd., Edmonton, who intend showing metal shaving-stick soap-boxes, toilet-soap boxes, safety-razor sets, etc.

ENOLIN TOOTH PASTE.—On and after February 1 the retail protected prices of Enolin tooth paste will be 9*d.* and 1*s.* 3*d.* per tube. The manufacturers, A. & E. Carreras, Ltd., 207 King Street, Hammersmith, London, W. 6, will send a new price list on application.

GLAXO.—The 3*s.* and 7*s.* 6*d.* size of Glaxo is to be replaced by a 5*s.* size, which contains 20 oz. of the food, and is thus intermediate between the two previous sizes. The 1*s.* 6*d.* tin will still be supplied. Full particulars of the trade prices and discounts are given in the Glaxo advertisement in this issue.

AURORA DYES.—Whitaker & Co., Kendal and Craven House, Kingsway, London, W.C. 2, have brought out a new series of cold-water dyes, which they advertise under the name "Aurora." The tints retail at 6*d.* each, and attractive show-matter is supplied to assist in making the properties of the dyes known to the public.

BANKING ACCOUNTS.—Lloyds Bank, Ltd., who have for some years had a savings bank department in the South-West of England, have now extended the same facilities throughout their numerous branches in England and Wales. The subscribed capital of the bank is over seventy million pounds, its paid-up capital over fourteen millions, and the reserve fund ten millions.

STAFFORD ALLEN & SONS, LTD., distillers of essential oils, Cowper Street, London, E.C., have sent us a copy of their price list for January 1921. Changes have been made in the general style of the list, which is thereby considerably improved. Three sizes of type are used, and the reader is able easily to pick out the special articles of the company. An announcement is made that from January 1, 1921, all prices will be quoted net.

NEW PRICE LIST.—Raimes & Co., Micklegate House, York, have sent us a copy of the January issue of their net price list of patent medicines, proprietary articles, druggists' sundries, etc. It is arranged in sections. The first deals with patents and proprietary articles, and by the use of distinctive type the articles with protected prices are distinguished at a glance. The other sections are also arranged in an orderly manner, which much facilitates reference. The list will be sent regularly to those chemists who indicate their desire to receive it.

FREE SAMPLES.—The advertisement in the *C. & D.* last week of the Leighton Laboratories, Gray's Inn Road, London, W.C. 1, gave particulars of the demand for the free samples of Quinolox, Quin-Quenna, etc., offered the daily Press. We have since received one of packages of samples which are sent to inquirers. T is a neat, specially made case, holding miniature samp of the preparations referred to, with a booklet circulars explaining the uses. The demand for articles should be much stimulated by this unique P campaign.

FINE CHEMICALS LIST.—The reality of the establishm of the British fine-chemical industry is brought home one by the new price list of chemical products issued the chemical department of The British Drug Hous Ltd., Graham Street, London, N. 1. In eighty prin pages are given the names and prices of hundreds of chemicals, many of them rare, while a large number not been made in this country before the war. It satisfactory to note that the Government has at l decided to honour the undertaking given some time ago see that the manufacture of fine chemicals, so successfu established, can be continued. The importance from point of view of national safety is even greater than necessity of being independent of outside sources for s thetic medicinal agents. The prices are quoted for Imper and metric weights, and the list includes also analyti reagents, test solutions, and microscope stains.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the ma are grouped, for a list of which, with particulars as to regist tion, see "The Chemist and Druggist Diary," 1921, p. 300.

(From "The Trade-marks Journal," January 19, 1921.

"CARDINAL WOLSEY," with picture of same in circle; chemicals (1), (2), scientific instruments, etc. (8), a surgical instruments, etc. (11). By Walker, Sons Tyler, Ltd., 31 King Street, Leicester. 402,408/409/4 418. (Associated.)

"PAKWITE"; for chemicals (1). By Champion, Druce & C 6 Laurence Pountney Hill, Cannon Street, E.C 407,994.

"SIDOL"; for chemicals (1). By D. Anderson & Son, Lt 62 Short Strand, Belfast. 408,122.

"SILVERTOWN"; for a wood preservative (1). By Bu Boulton & Haywood, Ltd., Salisbury House, Lond Wall, E.C. 2. B 408,270.

"SAFETOID" and "SAFETOID"; for chemicals (1). British Cellulose and Chemical Manufacturing Co., Lt 8 Waterloo Place, London, S.W. 1. 408,794/795. (As ciated.)

"GRIFOLIN"; for chemicals (1). By Sissons Brothers & C Ltd., Bankside, Sculcoates, Hull. 409,754.

"NAGONAL BRAND"; for chemicals (2) and medici chemicals (3). By Farbenfabriken vorm F. Bayer Co., Leverkusen, near Cologne, Germany. 408,0 407,873.

"AOLAN"; for chemicals (2). By P. Beiersdorf & C 38 and 40 Eidelstederweg, Hamburg, Germany. 408,8

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or fi hand suppliers of the undermentioned articles will be appreciate

B/251. Lingui toothpicks
D/261. Acme capsule machine
B/241. Dalana violet perfume
M/241. Joygloss ballroom floor polish
R/251. Phelopine
M/251. Coludol
E/221. Sterry's plasters
H/101. Purified dog's fat f human consumption
W/211. Mumford's essence ginger
E/191. Cachets Guirol
E/1958. Wallwood Mixture (i fantile aperient)

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answer The information as to supply will be given to others who send stamped, addressed envelope to the Information Department, T CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C. 4:

Acme milk-tester, M/171
Antiphlogistine, M/241
Binns' patent nit combs, B/231
Ectodyne for headache, K/241
Erjolene face-cream, E/71
Mattei remedies, L/201
Mavis face-powder, B/251
Nostroline, M/241
Pineoleum, B/261
Union Jack corn paste, S/261
Valentine's walnut stai M/241
Valentine's meat juice, W/24
Zedex for nerves, S/191

Observations and Reflections.

By Xrayser II.

Words, Words, Words,"

seem to be the order of the day regard to the Retail Pharmacists' Union. Mr. son in North London talked "about it and about," ned this, dropped a caution here, a hint there; but I nybody to deduce a coherent scheme from what he in fact, he declared that he had nothing to announce the Society had made known its policy. One thing, er, this very declaration makes plain—viz., that the is still to be "bossed" by the Society. Two other in his speech were also noteworthy. He admitted malgamation with the Chemists' Defence Association ts legal difficulties, and he made the curious remark e Council might not set free the funds of the Local ations Executive. I had understood that the funds L.A.E. were held by that Committee independently Society, at least since the Conference was sum- ; but this appears to have been a mistake. The ns and comments which poured upon Mr. Mallinson how great is the confusion of thought and of aim chemists generally as to the Union. Some would the Proprietary Articles Trade Association its s, others the C.D.A., while others apparently would see it free of both. Order will, I suppose, be d somehow from this chaos, but as yet there seems promise of it. We talk, and wait for things to over our heads.

Letters M.P.S.

on his stationery and shop-front are just source of some embarrassment to many a phar- —they cost him 1*l.* 11*s.* 6*d.* per annum, and bring very little by way of a return. I have no that many men would willingly discard them if d be done without incurring the expenditure of siderable lump sum. The situation is not eased fact that the Society has lately increased its ation-fees without showing adequate reason for it, s annual subscription, on the eve of a foreseen ion which has left it incapable of doing for us f the things it has professed itself ready to do. nclined to think that the Society has over-reached Men will not, as a rule, go on indefinitely sub- g to a mere sentiment, or to the upkeep of a elephant, and I question greatly whether those who w being and will in the future be admitted to gister will think it worth while to subscribe to he Pharmaceutical Society and the Pharmacists' The case is rather different as regards present rs; but I venture to suggest to the Council the bility, even as regards these, of devising some of increasing the benefits of membership or easing dens, or both. Certainly the cost of the Society enormous in proportion to the advantages we gain t. Nobody who saw the examination statistics month can doubt that the Society's income from rce alone is amply sufficient for all statutory pur- There must be a huge wastage somewhere if it is The cry for our next election should be retrench- nd a rigid economy.

Personality in Business

is not, of course, mainly shown printed matter, through the window, through or through all three of them put together, nor Porter, in his interesting address, say that it is. be shown to some extent in them all, and in a d other different ways; but it depends upon none n. Personality is a purely personal thing, and s absolutely upon the person. It is not easy to it is the last mystery of human nature; but for al purposes we may perhaps say that personality acter, using that word for the whole complex of and mental qualities of which a man is possessed. t may be said, does not take us very far; we all knew that before. Yes, but in business we are apt to forget it. We are so occupied by externals, machinery and method count for so much, that we often are tempted to run on other people's lines rather than on our own. That is why so many of our shops and windows are so much alike; they carry no personal impression, unless it be that of some mammoth advertiser. Often they express nothing at all, or express a mass of things but nothing distinctly. The secret of success is not in the window, but in the brain that designed it; the true force of personality is in the man behind the counter. That explains the reputation of the pharmacist of old time: he expressed himself directly to every customer who entered his shop. There are, it need not be said, two sides to the truth—there is the pleasing personality and there is the displeasing. There are, too, men who are so deficient in personal force that the best plan for them is probably not to attempt anything original or distinctive, but to play "the sedulous ape" to their neighbours. For them Mr. Porter's address is peculiarly valuable, and I am not sure they are not the majority of the craft to-day.

The Origin

of the name "Nux Vomica" is often in dispute, and certainly the adjective *Vomica* needs some explanation as applied to our drug. It has been contended that it is not derivable from *Vomo*, but from *Vomua*, a boil, and is due to a fancied resemblance of the seed to a boil. This is very far-fetched and unlikely: a more plausible reason might be found in Lemery's statement that the seed, applied in powder, is *detersive, desiccative, resolutive*: but the real explanation seems to be that the name "Nux Vomica" was originally given to the seed of *Strychnos potatorum*, which is emetic, and the pulp of the fruit non-poisonous. That the two seeds were formerly confounded seems certain: how else account for the conflicting opinions that prevailed concerning them? Most writers declare nux vomica to be poisonous; others, and Lemery among them, deny this, though Lemery says that eaten by dogs it causes death by swelling in the stomach until suffocation ensues. Many, again, declare that it is emetic, yet many affirm the contrary; and these differences are not explained by its having been confused with stramonium as *nux metella*, for stramonium was always regarded as poisonous. Nux vomica appeared in the old London Pharmacopœia, but was omitted in 1654 as too dangerous a drug, and did not appear again, if I remember rightly, until 1836.

The Choice of Rupert Brooke

as the subject of a paper read some time ago before a Chemists' Local Association was, I fancy, a new departure. It is at least a choice I am glad to note. Even chemists do not live by trade alone, and one gets weary of the endless discussion at these meetings of trade matters, leading to no result but a waste of energy (of a kind) and the stiffening of the speakers in opinions that cannot be reconciled with one another. It is a pleasant change and a real gain to have our thoughts diverted now and then from our own immediate affairs, our outlook widened, and our apprehension of things lovely and of good report quickened. Usually when our attention is thus called to any literary or artistic subject it is on account of some fortuitous connection with our craft, but Rupert Brooke has no such accidental interest for us, and the selection of him is therefore doubly welcome. I have a friend in Glasgow (herself a poet) who assures me that hers is the most intellectual city in the three kingdoms. It may be so, but I hope that a literary paper would be as acceptable, on occasion, in other places as there. The lecturer made no extravagant claims for Brooke, and subsequent speakers at the meeting did not seem to regard him as one of the Immortals. They were probably right; but two or three of his poems, among them "Clouds" and the sonnet beginning "These hearts were woven of human joys and cares," are as lovely as anything of the kind that has been written in our day, and it is not due to the sadness of his fate alone that his last volume of verse was reprinted twenty-one times in three years.

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Editorial Articles.

Topical Matters.

It has probably by this time dawned on the Civil serva at the Home Office that it would have been an advant to them if they had consulted people with a knowle of the drug-trade and the conditions governing the sup of domestic remedies in this country before putting f ward the crude and impracticable draft Regulations un the Dangerous Drugs Act. Having been accustom during the war to put forward all sorts of silly Regu tions under the powers unfortunately put in the hands Government Departments by the Defence of the Re Act, it seems to have been imagined that the pract could have been continued indefinitely. We hope t the reception of the Draft Regulations by the drug-tr has taught the Home Office a lesson which they will pr by. If any attempt is made to put the present Regu tions before Parliament chemists will take care t members of Parliament are acquainted with the gr abuse of the powers of the Dangerous Drugs Act ma by the Home Office, and, if we mistake not, severe rep mands will take the place of the expected departmen promotions. The attempt to set up a costly and unnec sary department at the Home Office at the present ti just because some official sees the opportunity of magni ing his importance, must be resisted at all costs. He ever, it is fairly certain now, that the fatuousness of t Regulations as drafted are understood, so that before t forty days have expired a new edition, drastically vised, will have been produced which will have at least t merit of practicability. Elsewhere in this issue we pr a spirited letter which the Pharmaceutical Society h addressed to the Home Secretary, and also a letter fr a committee of hospital pharmacists, who have put pr tical suggestions before the authorities as to the cont of narcotics in hospitals. One strange circumstance whi we do not understand is the silence of the medical jo nals regarding the Regulations. There are rumours as the cause which we can hardly credit, but the fact rema that not a single word of criticism has been printed the medical papers. We are certain that no dispens doctor realises that at any time a policeman may en his surgery and go over the stocks of morphine prepa tions, etc., in a hopeless endeavour to trace each min of hypodermic solution of morphine which was purcha by the doctor. In addition, and for all time, if Regulations become law, medical men will have to ca out a harassing amount of detail whenever they write prescription containing one of the many drugs covered the Dangerous Drugs Act. We must leave the doctors look after themselves, as the battles of chemists are qu sufficient occupation at present for pharmaceutical aut rities. Those chemists who desire to add their quota the large number of protests that have reached the Ho Office will find the chief points of objection mentioned the *C. & D.*, January 15 (p. 64), and should have no d culty in writing a convincing letter to the authoriti The agricultural side of the supply of drugs in coun districts should not be overlooked.

The other matter of the week is the issue of circul and membership forms to chemists by the Retail Ph macists' Union. Mr. Mallinson informs us that the sponse has exceeded his most sanguine expectations, that it may be taken for granted that the establishm of the Union is *un fait accompli*. The rules of Union which have been sent out have undergone so alterations since they were approved by the Confere of Local Associations. It has been decided, apparent

to admit Irish pharmaceutical chemists and registered druggists to the Union, and provision is made for electing honorary members. Chemists who apply for membership, which carries with it the acceptance of the whole of the rules, will be interested to note the addition of the following rule :

The Executive shall have the power to impose fines or penalties on members of the Union for the infraction of the rules, and to enforce the payment of such fines or penalties, etc.

We should like to know how the Union will acquire power to enforce payment of arbitrary "fines," and we recommend chemists applying for membership to make it a condition that this unauthorised rule be rescinded at the earliest possible date. In the circulars sent out members of the Chemists' Defence Association are being asked to make contributions in addition to their subscriptions, which seems to show that there is need for money somewhere. We were distinctly told, last December, that the Chemists' Defence Association was a body with several thousand pounds of reserve funds and uncalled capital, and that it was in consequence a privilege for other bodies to be allied with such a prosperous concern. We note also that the original proposition to return the surplus funds of the Local Associations Executive to the Pharmaceutical Committees has been changed. The Pharmaceutical Committees are now being asked to give the money, about 600*l.*, to the new Union. It has hitherto been usual in the drug-trade, when any organisation is wound up, to present the residual funds to the Benevolent Fund of the Pharmaceutical Society, and as that fund is stated to be much in need of money, we think it is a pity that the usual practice was not followed on this occasion. The objection to this course is probably that the Pharmaceutical Society cannot correctly present the money to itself, and so further involve the very complicated arrangements existing between the Society and the Local Associations Executive.

Export Trade Credits.

OF the several schemes for the revival of export trade with Central Europe, that which Sir Edward Mountain elaborated before the Federation of British Industries last week is receiving most attention in Government and commercial circles. The scheme has been fully reported in the public Press, and as the proposals have aroused widespread interest, we give their salient features. Briefly, the scheme is to form a syndicate of the wealthiest bankers and insurance companies, with a Government backing up to half of the 26,000,000*l.* sterling already set aside by the Government for financing exports. "The first business of such a syndicate," Sir Edward points out, "would be to meet leading bankers of each country it is proposed to trade with, and get such bankers to form similar syndicates in their own country, which would guarantee the credits of their own merchants and give any other security that could be obtained. . . . Having completed this machinery, the syndicate would guarantee our merchants that their bills would be met by issuing a policy at a reasonable premium, in return receiving the guarantee of the syndicate formed in the buying country. This would start trade, relieve merchants of surplus stocks, commence the cure for unemployment, and commence to improve currency." That is the scheme, in essence, to which detailed consideration is now being given by the Board of Trade and the Federation of British Industries. With the active support of the Government and leading bankers such a syndicate could be quickly formed. It is a question, however, that bristles with difficulties, probably unforeseen, but the fact that the Government is willing to hypothecate 50 per cent. of the 26,000,000*l.* as a fund guaranteeing those participating against ultimate loss, has apparently captured the imagination of the underwriting interests, who prefer it to the venturesome Ter Meulen scheme of long-term credit bonds, which would succeed or fail in proportion to the extent they were acceptable or not to British exporters. This latter scheme was initiated at the Brussels Economic Confereuce and accepted by the Council of the League of Nations, and it would not be operative until at least a couple of years. It has been doubted whether Sir E. Mountain's plan will help the small firms, many of whom naturally find it harder to weather the present crisis than the wealthier firms and companies which would be in a position to take advantage of the scheme. It is to be regretted that the commercial community has not take more advantage of the existing export credit scheme, the administration of which is in the hands of the Department of Overseas Trade. Under the original scheme the Government was prepared to advance up to 80 per cent. of the cost price of the goods exported. Now, the full cost price may be advanced, the Government having the power of recovery against the exporter, in the event of a loss, to the extent only of 20 per cent. The pity of it is that this scheme is limited to Rumania, Finland, and eight new States brought into existence by the war. Hitherto the scheme has been too rigid and pressed too hardly upon the exporter, but since the relaxation was announced the Department has approved advances of ten times the amount which the exporters had found themselves able to utilise. As a fact, the limitation in the advances is to be found in the unstable exchanges and falling currency of those devastated European States which stand most in need of this kind of assistance. This general dislocation of exchange, it need hardly be said, has, together with falling prices, checked buying throughout the world, and has brought about a period of stagnation the like of which has not been witnessed during the present generation. This, however, is a passing phase, and we prefer to accept Mr. Kellaway's attitude of "restrained optimism." He would say to British manufacturers and exporters: "Don't be depressed by existing conditions Now is the time to look abroad, to sow the seed, to make your preparations for the time when the old demand, which I believe we shall see reasserting itself before many months can pass, is felt." In other words, not paralysing fear, but courage, is the need of the moment, remembering that as a nation we have passed through crises no less serious.

Chemicals and Dyes.

THE representations which have been made to the Board of Trade from time to time to remove the restrictions from the exports of the few chemicals and dyes that now remain on the list have (as reported in last week's issue) at last been effective, but it would not be surprising if all restrictions (with the probable exception of those on cocaine and opium) were swept away within, say, the next three months. The list of prohibited exports is revised from time to time by the Imports and Exports Licensing Section of the Board of Trade, and in the January issue of their circular we note the following are,

inter alia, still prohibited to all destinations except under licence :

Ammonia, sulphate of, and mixtures containing sulphate of ammonia.

Basic slag.

Coal tar, all products obtainable therefrom and derivatives thereof, whether actually so obtained or derived from other sources (including all mixtures and preparations containing such products or derivatives), suitable for use in the manufacture of dyes or explosives.

Cocaine and its salts and preparations.

Dyes and dyestuffs manufactured from coal-tar products and articles containing such dyes and dyestuffs.

Indigo, synthetic.

Lard, except imitation (compound), and neutral lard.

Manures, compound, containing either sulphate of ammonia or superphosphate of lime.

Nicotine and its compounds.

Opium and its preparations.

Opium alkaloids and their salts and preparations.

Potash, caustic, and articles containing caustic potash.

Potassium carbonate, and mixtures containing potassium carbonate.

Superphosphates.

For a number of other products, including apomorphine and cotarmine hydrochloride, cotarmine phthalate, and photographic chemicals containing not more than 20 per cent. coal-tar derivatives, an open general licence has been issued for some time past. This list is quite formidable yet, and it is doubtful if any restrictions on export are now necessary—*e.g.*, there are enormous stocks of dyes and dyestuffs in this country for which sellers would be only too pleased to find a market overseas. It is anticipated that no further concessions will be granted by the Board of Trade until an Order in Council has been issued declaring the war at an end, and this cannot be done until all the Treaties of Peace are ratified. When this has been done all restrictions on the exportation of dyestuffs and chemicals will automatically cease. The important concession granted by the Board of Trade last week (*C. & D.*, January 22, p. 45) by which export licences for reasonable quantities of dyestuffs and intermediates, except benzol, are to be granted to firms who have the material actually in stock, without requiring a manufacturer's certificate, shows that the persistent agitation by the chemical trade associations has borne fruit, and removes that bone of contention, the manufacturers' certificate. The certificate was, of course, necessary in order to safeguard adequate supplies for the home market; but as the risk of shortage has practically disappeared, its abolition is only natural. The concession includes alizarine, about which there have been many complaints by British merchants. It is, of course, understood that the new regulation is on its trial, and may be revoked at any time should the supplies for the home market prove inadequate. At the moment, however, there are very large stocks of both British and foreign dyestuffs in this country. We understand that the system of importing dyes and intermediates through the "Central Importing Agency," which gave rise to many serious complaints by traders on account of its invidious distinctions, and gleaning of business secrets by competitors, has been abolished. In future, therefore, the merchant in possession of a Board of Trade licence will be able to pass his goods through the Customs in the usual manner, without the intervention of any "agency." This concession, particularly in regard to the abolition of the "manufacturers' certificate," is, no doubt, due to the strong protests made by the British Chemical Trade Association, who organised a petition to the Prime Minister over a year ago. On p. 59 of this issue we give the latest information in regard to the new Act regulating imports of dyestuffs, taken from the "Bulletin" of the Association, who are doing their best to confine the projected list of prohibited imports to dyestuffs and intermediates. Another "two or three weeks" may elapse before the list is published. As regards the manufacture of fine chemicals in this country, it is interesting to note that Mr. Chas. A. Hill, Ph.C., B.Sc., recently dealt with the position of the industry ("Journal of the Society of Chemical Industry," Vol. XXXIX., No. 24), which, in spite of many adverse conditions, was on the high road to success, until the Sankey judgment completely changed the situation and in the production of curative agents." Mr. Hill relates concisely what was done by British chemical-makers during the war, instancing the successful and sytematic manu- seems to give the essence of the matter, could not be more admirably expressed : "It is, indeed, a very short-sighted policy which seeks to gain a small, problematical and temporary reduction in the cost of a certain number of medicinal substances at the expense of losing an industry already half-established, and which, if fully developed, would make the nation permanently self-supporting in the production of curative agents." Mr. Hill relates concisely what was done by British chemical-makers during the war, instancing the successful and systematic manufacture of research chemicals, photographic chemicals, and medicinal, organic, and synthetic products, etc. All this is now in jeopardy for reasons which need no reiteration. British makers are, however, looking forward to the promised legislation, in regard to which considerable opposition is likely to be aroused from the merchandising interests.

Sampling Insurance Dispensing.

THE enterprise of the Salford Pharmaceutical Association in securing the attendance of the borough analyst at their last meeting is calculated to ensure the co-operation of chemists and analysts in securing the best service to the public. The analyst is able by a frank talk to appreciate the special difficulties encountered by the dispensing chemist, and the chemist can see that the requirements of the Sale of Food and Drugs Acts impose upon the public analyst definite duties in regard to the examination of samples submitted to him. The question of the sampling of Insurance dispensing is receiving considerable attention by some Insurance Committees in the North and Midland areas, and it is anticipated that a sampling campaign will take place as the result. Chemists should exercise particular care in regard to stock mixtures, which are apt to deposit or change on keeping and lose some of the analytical characteristics which would be expected from the formulas. There is, of course, very little real ground for such a check upon chemists' dispensing, but the pitfalls are so numerous that continued care is needed to avoid them. Care should be taken as to the correct volume of medicines and the use of graduated bottles for Insurance dispensing discouraged, unless the chemist is prepared to check the graduations. The weight of such supplies as malt and oil need checking occasionally.

IT is announced by the General Medical Council that on and after January 1, 1923, all who desire to be registered as medical or dental students will have to produce evidence that they have attained the age of seventeen years, and the minimum standard of general education required will be that of University matriculation or entrance examination. Before registration as a medical student every applicant will be required to have passed, in addition to the examination in general education, an examination in elementary physics and elementary chemistry, conducted or recognised by one of the licensing bodies.

Pharmaceutical Society of Great Britain.

North British Branch.

THE third meeting of the session was held at 36 York Place, Edinburgh, on January 19. Mr. James Jack, Ph.C., F.L.S., J.P., in the chair.

The CHAIRMAN referred in sympathetic terms to the sudden death of Mr. David Rainy-Brown, sole partner of J. F. Macfarlan & Co. (*C. & D.*, January 15, p. 60). The following communications were read:

CASCARA SAGRADA (*Rhamnus Purshianus*, DC.) GROWN IN SCOTLAND.

By ALEXANDER MCCUTCHEON.

About fifteen years ago, at a meeting of arboriculturists, there was a discussion on economic trees and shrubs, at which the speaker suggested that cascara sagrada could be successfully cultivated in Scotland, and that in fifteen or twenty years they might expect to have a crop of some intrinsic value. As a result of this suggestion a *Rhamnus purshianus* seedling one year old, raised from seed specially procured from America, was transplanted with seedling larch. An important point in the experiment was that the cascara plant was to receive no special treatment. It is now growing in a healthy condition on the Whittinghame estate of the Right Hon. A. J. Balfour, M.P., in East Lothian, on a heavy soil, with good natural drainage and in an exposed position. It is fully nine feet high and five feet in circumference at a distance of four feet from the ground. Two years ago a number of branches were cut off, peeled, and the bark converted into the extractum cascaræ sagradæ liquidum, B.P. The prepared extract was dispensed in a mixture, and in every case its action was found satisfactory and quite equal to the official liquid extract made from commercial bark. From this experience Mr. McCutcheon concluded that the problem of growing the official *Rhamnus purshianus* and the harvesting of cascara sagrada bark can be quite easily accomplished in Scotland.

DISCUSSION.

The CHAIRMAN said it might be well for Mr. McCutcheon to see whether the plant could be fertilised so as to produce ripe seed. In this way they might grow the tree from Scottish-grown seeds.

Mr. HILL said that about seven years ago there was exhibited by Mr. Lunan at one of the meetings a specimen of *Rhamnus purshianus* grown at Arduaine, Lochgilphead, Argyllshire. Recently there was a forestry exhibition in London, at which it was reported a sample of cascara bark grown in Scotland was exhibited.

The next communication was a

NOTE ON BISMUTH OXYCARBONATE.

By HENRY STOUT, PH.C.

The speaker had examined a large number of samples of bismuth oxycarbonate, but had never been able to secure a sample which answers the British Pharmacopœia character and tests. Calcium is always present as an impurity in bismuth oxycarbonate in quantity up to about 0.5 per cent., reckoned as oxide. Though the British Pharmacopœia does not permit even the slightest trace of calcium, the United States Pharmacopœia tolerates 0.3 per cent. of impurity which may be calcium. The Japanese Pharmacopœia also allows a trace of this impurity. In view of these findings the author suggested that the next edition of the British Pharmacopœia should recognise 0.3 per cent. of calcium. He had found traces of calcium in bismuth citrate, salicylate, subnitrate, and subgallate. With regard to the action of mineral acids on bismuth oxycarbonate, this salt does not effervesce readily with cold diluted sulphuric acid 10 per cent., but appreciable effervescence takes place with sulphuric acid 30 per cent. Probably the carbonate on addition of the diluted sulphuric acid becomes coated with a film of oxysulphate, which protects it from the rapid action of the acid, and hence no effervescence is noted. On the other hand, copious effervescence is obtained with dilute hydrochloric acid (10 per cent. strength), but not with 5 per cent. strength. Diluted nitric acid behaves in much the same way as diluted sulphuric acid. With nitric acid of at least 20 per cent. strength effervescence is obtained.

DISCUSSION.

The CHAIRMAN said he was surprised to hear all samples of bismuth salts contained calcium. He would like to ask Mr. Stout where the calcium came from.

Mr. HILL said this critical examination of a Pharmacopœial salt was of distinct practical value, and there were evidences that several other official monographs required similar treatment. The interesting point about bismuth carbonate not effervescing with dilute mineral acids was of considerable practical significance to the student.

Mr. STOUT said the calcium found its way into the salt in the process of manufacture, and manufacturers alleged that it could not be avoided. With regard to the action of dilute mineral acids on lead carbonate, he found the action was practically the same as with bismuth carbonate.

The next communication was on an

INCOMPATIBLE MIXTURE: HYDROCYANIC ACID AND IODINE.

By JOHN NOBLE.

The following prescription was recently presented to be dispensed:

Acid. hydrocyan. dil.	♏xx.
Tinct. iodi	♏xv.
Aquæ ad	℥j.

Sig. ʒj. every three hours.

It was intended for the treatment of hiccough. The tincture of iodine was added to the water, and last of all the hydrocyanic acid. The colour of the iodine was at once almost entirely discharged and a practically water-white solution remained. On examination it was found that the mixture contained hydriodic acid. The main reaction, therefore, explaining the decoloration, appears to be $2HCN+I_2=2HI+(CN)_2$. The quantity of cyanogen is so small that it appears to remain in solution in the water. On standing, the mixture gradually acquires a yellowish colour, precisely similar to what takes place in the case of an aqueous solution of hydriodic acid, and the mixture then gives a distinct blue reaction with starch, indicating free iodine. This appears to be due to oxidation of the hydriodic acid with liberation of free iodine thus: $4HI+O_2=2H_2O+2I_2$. A somewhat similar prescription had been dispensed in the East some years ago for the treatment of phthisis. The prescription was as follows:

Tinct. iodi	ʒj.	Syrup. tolu.	℥j.
Acid. hydrocyan. dil.	ʒj.	Aquæ ad	℥vj.

Sig. ʒij. three times a day.

This mixture also becomes practically colourless on mixing. Unlike the first mixture, it does not develop the yellowish colour on standing and gives no indication of free iodine. This may be due to the sugar or the benzoic and cinnamic acids and volatile oil in the syrup of tolu preventing the hydrolysis of the hydriodic acid. The mixture was dispensed with an alcoholic solution of iodine containing no potassium iodide and the result was the same. If the tincture of iodine and hydrocyanic acid are mixed complete decoloration does not take place, but on diluting the mixture up to the required volume the solution immediately becomes practically colourless. This suggests that in presence of the larger quantity of water the iodine more readily reacts with the hydrogen ions of the hydrocyanic acid. On communicating with the prescriber, the dispenser was instructed to omit the hydrocyanic acid.

DISCUSSION.

Mr. STOUT said it seemed quite possible that oxidation might proceed to the extent of transforming the hydrocyanic acid into formic acid or even into oxalic acid.

Mr. WALKER said the position of the pharmacist in a matter of this kind seemed to be to see that the onus should in every case be placed on the prescriber.

Mr. HILL said he had examined the mixture for formic acid, but failed to discover any present. It might be a

mere matter of time when the reaction would proceed further. So far the main cause of the decoloration had, he thought, been correctly traced in the explanation given by Mr. Noble.

The CHAIRMAN said there was a matter of some importance and urgency to which he thought they might turn their attention. He referred to the Regulations under the Dangerous Drugs Act, 1920. He then called upon the resident secretary to indicate the present position with regard to these Regulations. The following motion was afterwards put to the meeting by the chairman and unanimously adopted :

That this meeting protests against the Draft Regulations under the Dangerous Drugs Act, 1920, being proceeded with further until the whole situation has been thoroughly considered by the Government Department in consultation with the Pharmaceutical Society of Great Britain, which is the acknowledged statutory expert in all matters of this kind. That these Draft Regulations are an intolerable interference with the reasonable liberties of the people, and involve needless and harassing details leading to unjustifiable expenditure. That they erroneously put emphasis on mere mechanical restrictions and records and regulations and medical prescriptions, totally ignoring the fact that the only real protection for the community in the handling and distribution of potent drugs is the training and experience and skill and knowledge and sense of responsibility of the duly qualified pharmacist or dispensing chemist. That, further, the Executive of the North British Branch of the Pharmaceutical Society should take what steps may be necessary to secure the withdrawal of these Draft Regulations or their rejection by the Houses of Parliament.

Attention was then directed to books recently added to the Library, and a vote of thanks was awarded to the donors.

Festivities.

Folkestone Chemists' Conversazione.

ON January 19 the Folkestone Chemists' Association held an enjoyable conversazione. The feature of the evening was the entertainment provided by the Romany Singers. Special applause greeted a topical song in which some of the pharmacists present were gently chaffed. Billiards and whist filled the remainder of the time, and a very happy evening was spent.

Harrow Pharmacists' Dinner.

THE Harrow Pharmacists' Association held the second annual dinner at the Gayton Rooms, Harrow, on January 13, when the chair was taken by the President (Mr. G. H. Russell), who was supported by a large number of members and friends. After an excellent dinner, there was a brief list of toasts, interspersed with musical items from a well-arranged programme. Credit is due to Mr. Taggart and members of the sub-committee which had the arrangements in hand, as the evening was most enjoyable.

Allenburys' Fancy-dress Carnival.

A FANCY-DRESS carnival was held recently by the employees of Allen & Hanburys, Ltd. The function was a complete success, over 400 employees of the company and their friends being present. Prizes were given for the best costumes and about 100 competed. The task of judging was entrusted to a committee of five, with Mr. F. W. Gamble as chairman, and two prizes were awarded for the ladies' and two for gentlemen's costumes. The function was ably managed by the M.C., Mr. C. Crawley, and was enlivened by the introduction of air-balloons, squeakers, streamers, and masks.

B.W.'s New Year Party.

BURROUGHS WELLCOME & Co.'s London staff held their New Year party, which is a regular feature in the social activities of the firm, on January 25, in the lecture hall of the City Temple, Holborn Viaduct, E.C. (by permission of the trustees). The programme was a judicious mixture of song, dance, instrumental music, and games, with a "lucky dip" tub, from which a fairy of tender years dispensed motor-cars, bicycles, pianos, and other prizes and surprises to every one of the staff, who, with their friends, numbered about 240. The feature of the evening was a "Fashions for 1921" competition, in which six ladies, using male colleagues as models, indicated their views of feminine fashions for next Christmas. Ample scope was afforded for art and humour.

Burt, Boulton & Haywood Athletic Club.

THE newly formed Burt, Boulton & Haywood, Ltd., Athletic Club had a successful dinner (organised by the City Office Section) at Anderton's Hotel, Fleet Street, London, E.C., on January 18. Mr. D. Harold Boulton, the moving spirit in the formation of the Club, was in the chair, and the directors of the company were present as guests. One hundred and fifteen members from the City Office, and Silvertown and Rotherhithe Works were present. After the loyal toast, the Chairman proposed "The Club," which was responded to by Capt. G. E. Yonge, secretary of the company and treasurer of the Club, and Mr. F. G. Waddy, the secretary of the Club. The toast of "Our Guests" was next proposed by Major A. G. Saunders, and responded to by Sir Harold Boulton, Bart., C.B.E., chairman of the company. Mr. H. Stringfield proposed "The Chairman," who replied. A musical programme was much enjoyed, especially the items contributed by Mr. Morland Hay, Captain Altman, Mr. Grindell, Mr. Lane, Mr. Young, and last, but not least, Sir Harold Boulton. Secretaries of sports clubs should note that the B., B. & H. Athletic Club hope to have their new ground ready for cricket this summer, and as the fixture list is not full the cricket secretary hopes to hear from clubs with vacant dates.

Ealing Pharmacists' Dinner.

THE Ealing Pharmacists' Association held a successful dinner in the Prince's Rooms, Ealing Town Hall, on January 20. Prior to the dinner the President (Mr. H. L. Ironmonger) and Mrs. Ironmonger held a reception in the Council Chamber. About 160 ladies and gentlemen sat down to the dinner, including the President of the Pharmaceutical Society and Mrs. Neathercoat, Sir William and Lady Glyn-Jones. After the loyal toast of "The King," the President proposed "The Pharmaceutical Society." The President of the Pharmaceutical Society, in responding, said that the Council was a fighting body, and would continue to act so in the interests of the members of the Society. Mr. John Humphrey next proposed "The Ealing and District Pharmacists' Association," and coupled with it the name of the secretary (Mr. Marns). Mr. Humphrey briefly traced the progress of the Association from its inception in 1915. He paid a well-merited tribute to the spade work done by Mr. Herbert Skinner, who acted as secretary and held the Association together in its early days. The progress made since the war was mainly due to the work of the secretary (Mr. Marns). The toast was drunk with musical honours, and three cheers were given for Mr. and Mrs. Marns. Mr. Marns, in replying, said he wished to apologise for any inconvenience that those present had to suffer owing to there not being sufficient room for them all to dine together, but the dinner had been a much greater success than was anticipated. Mr. Humphrey had said that he was inviting people to this dinner nine months ago, he'd go one better than that now and ask all present to their dinner next year, when they would engage the Victoria Hall, which would hold about 700 people. "The Visitors" toast was proposed by Mr. Arnold Roberts. Mr. H. S. Watson, the popular President of the Western Association, replied. Mr. John Keall proposed "The President," and this was accorded musical honours. An excellent musical programme was contributed to by Miss Edith Burley, Miss Sybille Stenning, Messrs. B. C. Hart, A. H. Milner, Harry Morton, and Walter Walters, the last-named gentleman providing an "extra turn" by putting up for auction a menu-card that had been autographed by the Secretary of the Pharmaceutical Society, Sir William Glyn-Jones, and a number of the prominent people present. This was in aid of the Benevolent Fund, and, after being sold and resold three times, was finally knocked down to Mrs. Ironmonger. As the result of the auction the Benevolent Fund will benefit to the extent of nearly 10*l*.

Associations' Winter Session.

Derby.—The Derby (Borough) Pharmaceutical Asso-ıtion, in furtherance of their scheme of monthly meet-ɡs, had an interesting debate on *Apprenticeship* re-ıtly, following a paper read by Mr. W. Elmitt, who vocated four years as a proper term for an apprentice which to acquire the mysteries of the craft. As an tcome of the discussion a small committee was after-ırds formed to draw up a specimen indenture embody-ɡ the bulk of Mr. Elmitt's scheme. It was also agreed the members present not to take apprentices before ssing the Preliminary examination. The next paper ll be given by Mr. Pattison, on February 22, on *lvertising.* [Corrected notice.]

Dublin.—A committee meeting of the Dublin Retail ·ug Association was held on January 12, Mr. R. N. mpbell (Vice-President) in the chair. The following re also present: Messrs. D. M. Watson, A. H. iphant, G. A. McLean Lee, Dr. J. A. Walsh, W. F. lis, R. Mellon, R. White, and Mr. R. J. Kidney (secre-y). Correspondence from the following was dealt with: e Ulster Drug Trade Association; J. Laird & Co., nerick; Stephen Smith & Co., London; the Proprietary ticles Trade Association; Mr. P. D. Foley, Killarney; -i Jones' Pharmacy, Limerick. The following were cted members: Mr. Peter J. O'Toole, Miltown Malbay; ·. Patrick J. J. Fleming, Roscommon. With a view achieving uniformity in the prices of drysalteries, oils, ours, varnishes, etc., as in drugs, patents, and sundries, special list is being compiled by a sub-committee of Association. Chemists who sell such goods and require list should inform the secretary without delay, so t he may know how many copies to print.

Glasgow.—A meeting of the Glasgow Branch of the ottish Pharmaceutical Federation was held on uary 20, Mr. D. G. Mackenzie (President) occupying chair. A lecture was given by Mr. John T. Coats, .C. (President of the Edinburgh Branch), entitled *rsonal Experiences in Conducting a Drug Business on dern Lines.* The lecturer pointed out that the proper ɡanisation of a drug business led to greater develop-nt, easier working, greater speed, fewer mistakes, ater security to the pharmacist, greater safety to the blic, a greater net income, and, altogether, a better l happier time for those connected with the business, employees being enabled to do a better day's work h less worry, less unnecessary mental and physical rtion, and having their day's work finished at the ointed hour. He outlined what he considered the t manner of fitting up a chemist's shop, and also erred to the desirability of arranging stock in such nner as to reduce labour and minimise fuss in serving tomers. He also gave his views on the recording prescriptions, on various indexes useful to chemists, buying, on the keeping of labels, and on the necessity having a proper system of bookkeeping. At the close the lecture a number of questions were asked and lied to by the lecturer. Thereafter the chairman ved a vote of thanks to Mr. Coats for his lucid ure. Various matters were afterwards discussed, uding the Draft Regulations under the Dangerous ıgs Act, 1920, regarding which it was decided to d a special mass meeting of the trade on January 24. t this meeting Mr. D. G. Mackenzie, who presided, nted out that these regulations were an extension the emergency measures adopted during the war to ck the "dope" habit. Mr. J. Rutherford Hill, nburgh, dealt in detail with the provisions of the ngerous Drugs Act, and said that an extension of Pharmacy Act Regulations was all that was needed. distribution of these poisons should be limited to perly qualified pharmacists. The responsibility and honour of the pharmacist was the only protection t the public had. He referred to the Hague Con-tion of 1912, and pointed out that all the Convention ed upon was legislation limiting the manufacture, sale, use of medical opium to medical and legitimate uses. Discussion followed, in which several of the members took part, and finally a resolution was adopted protesting against the Draft Regulations under the Dangerous Drugs Act, 1920, being proceeded with further until the whole situation has been thoroughly considered by the Government Departments, in consultation with the Pharmaceutical Society of Great Britain.

Lancashire (N.E.).—The annual meeting of the North-East Lancashire Chemists' Association was held on January 20, Mr. R. McMyn presiding. Mr. F. Law (secretary) reported the receipt of a communication relating to the compilation of a record of those engaged in the pharmaceutical profession who served in the war. The Pharmaceutical Council had replied to a communication that the question had not received further consideration. Owing to the poor response it might be necessary for separate Associations to compile their own records. Councillor W. H. Grimshaw said those with whom he had conversed were not desirous of recalling their war experiences. Mr. Gifford said, even if they undertook the work, it might not be completed. His suggestion that a reply should be sent expressing willingness to co-operate with the Council in any decision they might arrive at in the compilation of a complete record of service was agreed to. Mr. Law read the financial statement, which showed a balance in hand of 36*l.* 18*s.* 3*d.* Mr. Law also mentioned that Mr. Pickup and Mr. Yates had gone through the accounts of the Pharmaceutical Committee. Councillor C. A. Critchley moved the adoption of the accounts, and this was agreed to. Mr. R. McMyn was afterwards re-elected *President.* It was agreed that the President of the Association should hold the position for two years; that in the first year the immediate past-President should occupy the vice-chair, and that in the second year the vice-chair should be filled by the President-elect. Mr. Ralph Pickup was appointed to this position, and he will succeed Mr. McMyn next year. Other officials appointed were: *Secretary,* Mr. F. Law; *Treasurer,* Mr. J. Isherwood; *Auditor,* Mr. Holt; *Committee,* Mr. R. L. Gifford, J.P., Councillor C. A. Critchley, and Messrs. Smith, Lightbown, Yates, and Haslam. Mr. Gifford desired to withdraw from nomination, but at the unanimous request of the members he agreed to serve again. In a reference to pharmaceutical matters Mr. Gifford said that the future might hold out important schemes, and probably some proposal would be made for the Council to co-operate more with Associations throughout the country. There was a strong opinion that the Council should be brought into close and direct touch with the Associations, and the Council itself recognised the importance of this co-operation. He was not in a position to say exactly what form this proposal would take, but he urged the Association to be prepared to co-operate with the Council and so help to achieve success. It was decided to fix next year's subscription at 15*s.* per member. It was left to the Pharmaceutical Committee to arrange the rota for Sunday and Thursday afternoon services. A whist-drive will be held on February 17, and Councillor W. H. Grimshaw promised to arrange a visit to the Corporation Sewage Works at Samlesbury.

Leicester.—At a recent meeting of the Leicester and Leicestershire Pharmaceutical Association there were over sixty present to hear Dr. J. Stanley White's lecture on *Organotherapy and Biological Products.* The subject was clearly illustrated by lantern-slides, and graphically described by the lecturer. After demonstrating the processes of collecting, cultivating, and standardising serums, the lecturer gave a descriptive account of the functions of the ductless glands, illustrating how nature works to counteract the excessive supply of glandular secretions to stabilise their functions. Incidentally, Dr. White mentioned that the glands of students on the day of their Qualifying examination would secrete more adrenalin than at normal times. Several medical men and pharmacists asked questions at the close of the meeting.

Liverpool.—The annual meeting of the Liverpool Chemists' Association was held at the Royal Institution on January 26. The retiring President (Mr. David H. Evans) took the chair at the outset, and congratulated Mrs. L. Moreton Parry (who was elected a member) on

qualifying. The annual report, which was submitted by Mr. Furniss, showed a membership of 235. Thanks were accorded to Mr. Welling, the retiring treasurer, and to the secretaries. The following elections were carried: *Vice-President*, Mr. A. W. Ashcroft; *Secretary*, Mr. J. L. Hirst, *Treasurer*; Mr. A. S. Furniss. The President (Mr. W. H. Clubb) then delivered his inaugural address. Mr. Clubb expressed the hope that the federations of local associations would not have to be scrapped in consequence of the test case, but would be able to continue their useful work and facilitate development of the Retail Pharmacists' Union. He hoped a resolution would be adopted supporting the Union, which would prove the salvation of business pharmacy. Any retailer who remained outside the Union would be a fool. The Dangerous Drugs Act was well named. Further restrictions of the sale of poisons were necessary, but the draft Regulations contained absurdities which would be unworkable, and were a serious encroachment upon the rights of pharmacists. It transpired that many present had already written letters of protest to the Home Office. All others present agreed to write individually, and it was arranged to approach local members of Parliament.

Middlesex.—Under the auspices of the Middlesex Pharmaceutical Association a lecture, illustrated by lantern slides, was given by Dr. J. Stanley White, Ph.C., on *The Ductless Glands and their Use in Medicine* in the lecture theatre of the School of Pharmacy, Bloomsbury Square, London, W.C., on January 26. The subject was treated comprehensively, and the lecture was followed with close attention. The chair was taken by Sir Thomas Horder, M.D., who, in acknowledging a vote of thanks proposed by Mr. H. Skinner at the conclusion of the lecture, confessed that his knowledge of a pharmacist was practically limited to conversation over the telephone. One of his objects in accepting the invitation to act as chairman was to become more intimate with pharmacists as a body. The medical man, he said, diagnoses and prescribes, but does not, as a rule, know what occurs afterwards. Therein comes the need for the co-operation of the pharmacist, which would be of increasing value if his standard of education was improved to include analysis, bacteriology, and dietetics. Among those present were Mr. C. H. Hampshire, B.Sc., and Mr. Langford Moore.

Walthamstow.—The monthly meeting of the Walthamstow Pharmaceutical Association was held on January 19. The correspondence received from the proprietors of Glaxo in reference to the sale of their products at the Walthamstow Clinic was read. The company regretted the abuse at the clinic, and sent the following specimen "Municipal Declaration Form," which applicants for Glaxo are now required to fill in and sign before Glaxo can be supplied:

MUNICIPAL DECLARATION FORM.

Name of Applicant for Glaxo .....
Address .....
Number in Family .....
Number of Children .....
Ages .....
Occupation of Father.....
Where Employed.....
Weekly Wage (Average) .....

I declare the above particulars are true to the best of my knowledge and belief.

Signed.....

It was decided to hold another whist-drive in March, the expenses of which would be borne by the members of the Association, and the proceeds will be given to the Pharmaceutical Benevolent Fund. A discussion then took place on the Retail Pharmacists' Union, the majority of members present being in favour of the objects of the Union. Mr. Edmund Wilcocks expressed the feeling of the meeting in hoping that nothing would occur to interfere with the friendly relations hitherto existing between employers and employed. The secretary has since been instructed to pass the comments made on the Dangerous Drugs Act Regulations to the Secretary of State.

West Ham.—A meeting of the West Ham Association of Pharmacists was held at the Earlham Hall, Forest Gate, on January 20 (Mr. E. N. Lloyd in the chair), which Mr. Herbert Skinner gave an address on *Buying a Falling Market*. He pointed out that the pres temporary fall in prices of certain articles is due to variation in the rate of exchange, which not only causing a fall in prices, but is also responsible to a gr extent for the present unemployment. We are to-d receiving goods from Germany and other countries a far cheaper rate than we are able to produce them. also instanced many items which are at a much hig price than the cost of production necessitated. M Skinner advised his hearers to abstain from buyi certain drugs, as he felt quite sure that the prices these would shortly be lower. At the termination the address questions were invited, and Messrs. Clela Gwinn, Jones, Potter, Soper, Reed, and Thompson t part in a discussion.

Women Pharmacists.—The London Group of t National Association of Women Pharmacists held meeting on January 19, Miss Andrews in the cha An interesting lecture was given by Miss Cook, Ugan on her work in a hospital there. The lecturer describ the hospital, which is splendidly equipped, and inclu wards for both natives and Europeans, a fine dispensa and an *x*-ray department. Miss Cook's work is v varied, and includes dispensing, the training of studen and medical missionary duties. She gave interesti accounts of her visits to outlying villages to relieve t sick, and of her experiences during epidemics, etc. M Andrews afterwards invited the members of the Gro to discuss the Draft Regulations under the Dangero Drugs Act, and she informed the members that t Committee had decided to take action in the matt and to co-operate with other associations, if possib A resolution was carried asking that the Natio Association of Women Pharmacists should be request to urge the other groups to take action. The difficulti that would be experienced in carrying out the Regulatio in hospitals and institutions were specially discussed.

South-Wales Federation.

A meeting of the South Wales and Monmouthsh Pharmacists' Local Associations Federation was held Aberdare on January 20. The President (Council H. M. Lloyd) occupied the chair, and was supported Mr. G. A. Mallinson (secretary of the Retail Pharmacis Union) and delegates from the affiliated associations, th being a record attendance. The secretary presented interim report showing a satisfactory financial positi The question of profit on non-protected proprietary me cines was discussed, and it was resolved that the mak be approached with a view to obtaining for the retai a profit of at least 25 per cent. on turnover, and th pharmacists in the area should be advised not to sto articles yielding a smaller profit. The secretary w instructed to send a letter of protest to the Postmast General against the suggested increase in telephone ra and charges. Consideration was given to the supply proprietary foods and dietetics to welfare centres a clinics, from which these articles are obtained at a low price than from pharmacists; the members took objecti to the foods being sold indiscriminately to persons w could afford to purchase from the pharmacist. It w decided to inform local authorities, drawing their att tion to the misuse of these supplies and suggesting th every precaution should be taken to ensure judicio distribution. Mr. G. A. Mallinson then dealt with t Dangerous Drugs Act Regulations, and pointed out t difficult position of the retailer if these became law their present form. Mr. Mallinson emphasised the Re lations as being unworkable and unwarrantable, interf ing with the practice of pharmacy, and also with t public convenience. In dealing with the Retail Pharm mists' Union, he maintained that the formation of t union was a progressive step, and he wanted every e ployer pharmacist to become a member. Much enthusia was displayed during the meeting, and many questio were asked, to which he gave satisfactory answers. Up a vote being taken, it was evident that the whole compa wished to become enrolled as members of the union.

Insurance Act Dispensing.

Record of matters concerning Chemists' interests in the National Health Insurance Acts

Reports from Local Centres.

ENGLAND.

Derby.—Having examined the few cases in which the had apparently been excessive prescribing during 19 and the first half of 1920, the Panel Committee of th Borough Insurance Committee have decided that a surcharge is uncalled for. The doctors concerned have be warned to exercise economy. The estimated number of prescriptions from the area in the current year s 26,000, and the cost of pricing will work out at 1*l.* 9*s.* per thousand.

Essex.—Mr. J. H. Burrows (chairman) presided, on January 25, at the bi-monthly meeting of the Insurance Committee. The Finance Sub-Committee reported that the administrative expenses of the Panel and Pharmaceutical Committees for the year 1920 was 368*l.* 2*s.* 11*d.* and 390*l.* respectively. The estimates of their expenses for the year 1921 was—Panel Committee, 5[illegible]; Pharmaceutical Committee, 440*l.* Mr. F. C. Baldock said both the expenditure and estimates for the current year were well within the amounts allowed by the regulations. The report was adopted. Two names were added to the panel and one withdrawal was announced. The Medical Benefit Sub-Committee reported that questions had been raised in the Colchester area in regard to the hours of business of chemists. The Sub-Committee have arranged with the Pharmaceutical Committee for a rota to be formed for service up to 8 P.M. on weekdays, from 6 to 7 on Sunday evenings, and on public holidays from 10 to 11 A.M. and from 6 to 7 P.M. The action of the Sub-Committee was approved. The Pharmaceutical Committee have been asked to consider and report upon questions raised in regard to the hours of business of chemists in the Leyton and Walthamstow districts.

SCOTLAND.

Ayrshire.—At a meeting of the Insurance Committee held on January 15, Mr. John Riddet, Dalry, referred to the consulting in chemists' shops and the dispensing of doctors in certain areas. With regard to consulting in chemists' shops, the Panel Committee had been asked to express their opinion, and until that had been got the Sub-Committee did not propose to come to any decision. Until July 1920 doctors were entitled under the terms of their agreement to dispense drugs in rural areas to all insured persons who lived more than a mile from the place of business of a chemist. A few doctors in the county exercised their right under this provision to dispense drugs, and the Committee's proposal was to terminate that right. Mr. Sloan, Rankinston, pointed to the alarming increase in the price of medicines. The increase seemed to be almost 50 per cent. He would like to hear from the Committee if they considered there was a vast amount of profiteering in drugs, amounting almost to barefaced robbery, Dick Turpinism, naked and unashamed; or whether the increase was due to legitimate increase of market values; or whether there was a vast amount of wilful and careless or uneconomical dispensing, such as was referred to at the Inverness Conference, when instances were given of prescriptions costing something like 15*s.* or 16*s.* which, in another form, might have been dispensed for 2½*d.* He thought something ought to be done. Mr. Riddet said the Committee could only pass an opinion as to extravagant prescribing, as pointed out by the Checking Bureau. The chairman reminded Mr. Sloan that doctors' allowances had been increased from 6*s.* 6*d.* to 8*s.*, while chemists now received 5*d.* for dispensing prescriptions which formerly cost 2½*d.*, so that the 50 per cent. was largely explained by that and not by profiteering in the drug. The Clerk (Mr. J. D. Wyllie) said the Medical Benefit Committee could express no opinion on the question of excessive or extravagant prescribing until the Panel Committee had itself gone into the matter, and he had not yet had any report from that Committee. The report was adopted. At a later stage of the meeting Mr. McMillan, chemist, Ayr, alluded to what he termed the "ungenerous attack" made on the chemists by Mr. Sloan. Mr. Sloan did not know what he was talking about. A chemist was bound to dispense whatever the doctor prescribed.

January Drug Tariff.

The following are the alterations for January in the Drug Tariff for England and Wales issued by the Ministry of Health :

Lower.—Acid., acetic., 9*d.* lb.; acid. acetylsal., 6½*d.* oz.; acid. citric. pulv., 4*s.* 10*d.* lb.; acid. hydrobrom. dil., 1*s.* 5*d.* lb.; acid. salicylic., 3*s.* 8*d.* lb.; acid. tartaric., 3*s.* lb.; ammon. brom., 2*s.* 6*d.* lb.; aq. chlorof. ex. conc., 7*s.* 2*d.* lb.; atrop. sulph., 3*s.* 2*d.* gram.; bals. Peruv., 2*s.* 4*d.* oz.; bism. carb., 17*s.* 6*d.* lb.; bism. salicyl., 1*s.* 8*d.* oz.; bism. subnit., 16*s.* 6*d.* lb.; butyl-chloral hyd., 3*s.* 10*d.* oz.; caffeina, 3*s.* 10*d.* oz.; caffein. cit., 2*s.* 10*d.* oz.; camphora (flowers), 9*s.* 6*d.* lb.; chloroform, B.P., 5*s.* 6*d.* lb.; cocain. hydrochlor., 4*s.* 6*d.* dr.; codeina, 4*s.* 11*d.* dr.; creosot. carb., 2*s.* 6*d.* oz.; dec. sarsæ jam. co. (ex conc.), 8*s.* 6*d.* lb.; dec. senegæ (ex conc.), 8*s.* lb.; ext. bellad. vir., 11*s.* lb.; ext. ergotæ, 12*s.* 6*d.* oz.; ext. ergot. liq., 23*s.* 9*d.* lb.; ferri et ammon. cit., 5*s.* 8*d.* lb.; ferri et quin. cit., 1*s.* 11*d.* oz.; glycer. acid. boric., 3*s.* 6*d.* lb.; glycer. belladon., B.P.C., 8*s.* lb.; hexamina, 1*s.* 2*d.* oz.; hydrarg. oxid. flav., 9*s.* 4*d.* lb.; hydrarg. perchlor., 7*s.* 10*d.* lb.; hydrarg. subchlor., 8*s.* 4*d.* lb.; hydrargyrum. amm., 8*s.* 9*d.* lb.; hydrargyrum c. creta, 3*s.* 4*d.* lb.; inf. aurantii (ex conc.), 4*s.* 3*d.* lb.; inf. buchu (ex conc.), 11*s.* lb.; inf. calumb. (ex conc.), 2*s.* 3*d.* lb.; inf. cinch. acid. (ex conc.), 5*s.* 3*d.* lb.; inf. digitalis (ex conc.), 2*s.* 6*d.* lb.; inf. gent. co. (ex conc.), 2*s.* 4*d.* lb.; inf. senegæ (ex conc.), 7*s.* 2*d.* lb.; inf. valerian. (ex conc.), 2*s.* 8*d.* lb.; lin. methyl sal. co., B.P.C., 11*s.* lb.; liq. bism. et am. cit., 1*s.* 11*d.* lb.; liq. formaldehyd., 3*s.* lb.; liq. morph. acet., 7*s.* lb.; liq. morph. hydrochl., 7*s.* lb.; liq. pepticus, B.P.C., 3*s.* 7*d.* lb.; liq. picis carbonis, 8*s.* 2*d.* lb.; liq. trinitrini, 1*s.* oz.; methylsulphonal, 3*s.* 6*d.* oz.; morph. acet., 3*s.* 6*d.* dr.; morph. hydrochl., 20*s.* oz.; naphthol., 10*d.* oz.; ol. caryoph., 19*s.* lb.; ol. lini., 8*s.* 6*d.* gal.; ol. menth. pip. (re-distilled), 66*s.* lb.; ol. morrhuæ (Norwegian opt.), 16*s.* 3*d.* gal.; ol. ricini, 1*s.* 3*d.* lb.; ol. santal., 5*s.* oz.; paraldehyd., 5½*d.* oz.; phenacetin, 1*s.* 7*d.* oz.; phenazon., 1*s.* 5*d.* oz.; phenolphthalein, 1*s.* 2*d.* oz.; physostig. sulph., 9½*d.* gr.; podoph. res., 5*s.* oz.; pot. acet. (dry granules), 6*s.* 8*d.* lb.; pot. bicarb., 1*s.* 11*d.* lb.; pot. brom., 2*s.* 3*d.* lb.; pot. cit., 6*s.* 4*d.* lb.; pot. permang., 4*s.* 9*d.* lb.; pot. sulph., 2*s.* 10*d.* lb.; pot. tart. acid., 2*s.* 7*d.* lb.; pulv. amygd. co., 6*s.* 4*d.* lb.; pulv. cretæ aromat., 3*s.* lb.; pulv. glycyrrh. co., 1*s.* 10*d.* lb.; pulv. sodæ tart. eff., 12*d.* doz.; quin. sulph., 4*s.* 8*d.* oz.; resorcinum, 1*s.* 6*d.* oz.; rhei rhizoma pulv., E.I., 13*s.* lb.; sacc. lact., 2*s.* 4*d.* lb.; sodii brom., 2*s.* 4*d.* lb.; sodii et pot. tart., 2*s.* lb.; spt. vini meth., 10*s.* 11*d.* gal.; sulphonal, 3*s.* 4*d.* oz.; syr. calc. lactophosph., 3*s.* lb.; syr. ferri iod., 2*s.* 8*d.* lb.; syr. ferri phosph. co., B.P.C., 1*s.* 9*d.* lb.; syr. limonis, 2*s.* 6*d.* lb.; syr. tolut., 1*s.* 6*d.* lb.; tab. acid. acetylsal., gr. v., 1.1*d.* doz.; tab. barbiton., gr. v., 5.8*d.* doz.; tab. phenacetin., gr. v., 2.9*d.* doz.; tab. phenacetin. co., B.P.C., 3.7*d.* doz.; tab. phenolphthalein., gr. ii., 1.7*d.* doz.; tab. sulphonal., B.P.C., gr. v., 7.2*d.* doz.; terebenum, 6*s.* 4*d.* lb.; theobrom. et sod. salicyl., 2*s.* 4*d.* oz.; tr. benzoini co., 7*s.* lb.; tr. capsici, 5*s.* lb.; tr. chlorof. et morph. co., 12*s.* 3*d.* lb.; tr. gelsemii, 5*s.* 8*d.* lb.; tr. guaiaci ammon., 8*s.* 6*d.* lb.; tr. iodi fort., 9*s.* 6*d.* lb.; tr. lavand. co., 7*s.* 8*d.* lb.; tr. quin. ammon., 5*s.* 3*d.* lb.; tr. scillæ, 5*s.* lb.; tr. strophanth., 8*s.* 2*d.* lb.; tr. valerian. ammon., 5*s.* 1*d.* lb.; tr. zingib., 7*s.* 2*d.* lb.; tr. tragacanth. pulv., 35*s.* lb.; ung. gallæ c. opio, 6*s.* 4*d.* lb.; ung. hyd. ammon., 4*s.* lb.; ung. hyd. nit., 4*s.* 3*d.* lb.; ung. hyd. oxid. flav., 2*s.* 1*d.* lb.; ung. iodoformi, 7*s.* lb.; zinci sulph., 8½*d.* lb. Bandages: grey open wove, 1 in., .8*d.*; 2 in., 1.9*d.*; 2½ in., 2.4*d.*; 3 in., 2.9*d.*; 4 in., 3.9*d.*; white, 1 in., .8*d.*; 2 in., 2.1*d.*; 2½ in., 2.7*d.*; 3 in., 3.2*d.*; indiarubber (elastic web), 2½ in., 11.5*d.* yd. Gauzes: unmedicated, 19.8*d.*; boric, 21.0*d.*; carbolic, 21.0*d.*; cyanide, 22.5*d.*; sal-alembroth, 20.5*d.*; sublimate, 21.0*d.*; iodoform, 32.0*d.*; picric acid, 27.0*d.* each. Lints, unmedicated, 1 oz., 3.5*d.*; 2 oz., 6.5*d.*; 4 oz., 12.5*d.*; 8 oz., 24.0*d.*; 1 lb., 45.0*d.*: boric, 1 oz., 2.5*d.*; 2 oz., 4.5*d.*; 4 oz., 8.5*d.*; 8 oz., 16.5*d.*; 1 lb., 31.0*d.* Wool, cotton: 1 oz., 2.0*d.*; 2 oz., 3.7*d.*; 4 oz., 6.5*d.*; 8 oz., 11.5*d.*; 1 lb., 20.0*d.*

Higher.—Liq. arsen. et hydrarg. iod., 2*s.* 2*d.* lb.; liq. hydrarg. perchlor., 8½*d.* lb.; ol. eucalypt., 5*s.* lb.; paraff. mol. (alb.), 2*s.* 6*d.* lb.; paraff. mol. (flav.), 1*s.* 5*d.* lb.; tr. iodi mit., 8*s.* 6*d.* lb.; ung. ac. carbol., 2*s.* 10*d.* lb.

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Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C. 4, Jan. 27.

It cannot be said that any improvement in business has yet taken place, although the year has now turned, but at the same time there has been more inquiry from the home trade, which is a good sign. Export business, however, is still languishing, but this section would be one of the first to benefit if the proposed export credit scheme should be successfully launched, as nothing would engender confidence more than a resumption of trading with Central Europe. The improvement in the American exchange is a welcome feature this week, and should tend for a revival of business. Meanwhile, falling prices are still the rule, and buyers in many instances can, within reason, fix their own values. Among the reductions of the week is one of 1*s.* per lb. in English camphor. Ergot, copaiba, hydrastis, buchu, castor oil, canary seed, mustard seed, cocoa butter, pepper, and Zanzibar cloves are all weaker. Sellers of senega are inclined to hold firm; Japanese ginger has been sold at an advance. Most of the fixed oils are lower, including linseed, coconut, ground-nut, etc. Turpentine is lower.

Higher	Firmer
Ginger (Japan)	Soda benzoate

Easier	
Acetic acid	Methyl sulphonal
Agar agar	Nutmeg oil
Ammon. muriate	Oxalic acid
Anise oil, star (c.i.f.)	Palmarosa oil
Benzonaphthol	Phenacetin
Bleaching powder	Potash carbonate
Buchu	Rosemary oil
Caffeine	Salol
Cassia oil	Saltcake
Cinnamon-leaf oil	Soda bichromate
Clove oil	Soda caustic
Cloves (Zan.)	Soda hyposulph.
Cocoa butter	Soda sulphite
Farina (Jp.)	Spike oil (Sp.)
Formaldehyde	Vanillin
Hydrastis	Wormwood oil (Ord.)
Lemongrass oil	

Lower	
Amidopyrin	Lead acetate
Ammon. carb.	Linaloe oil
Amyl salicylate	Linseed oil
Benzaldehyde	Lithopone
Bergamot oil	Mace
Bromstyrol	Mustard seed
Camphor (Eng. ref.)	Naphtha, solvent
Canary seed	Para-formaldehyde
Castor oil	Phenyl ethyl alcohol
Citronella oil (Jv.)	Potash prussiate
Coconut oil	Sal ammoniac
Copaiba	Salicylic acid
Coumarin	Soda bromide
Ergot	Soda nitrate
Geranium oils (Bourb. & Alg.)	Soda nitrite
Ginger (Cochin)	Soda prussiate
Gingergrass oil	Soda sulphide
Ground-nut oil	Sulphonal
Guaiacol carbonate	Terpin hydrate
Hydroquinone	Tin crystals
Iron, reduced	Turmeric
Lactic acid	Turpentine
	Wax, bees'

Cablegram.

New York, January 25.—Business is quiet. Salicylates have been reduced: salicylic acid is now 28c., sodium salicylate 33c., methyl salicylate 50c., salol 90c., and aspirin 75c. per lb. Antipyrin is lower at $2.25. Citric acid has been reduced to 45c. and saccharin to $1.70. Balsam Peru is cheaper at $1.50, and short buchu has declined to $2.40 per lb.

London Markets.

Agar Agar is the turn easier, with No. 1 Kobe strip offering at 2*s.* 3*d.* per lb. and No. 2 at 2*s.* 1*d.* on the spot.

Antimony.—English regulus is very slow at late rates, and foreign to arrive ranges from about 25*l.* to 27*l.* per ton c.i.f. There is a little more interest in crude, which is more firmly held, due to the comparatively restricted supply, quotations ranging from about 20*l.* to 22*l.* c.i.f. for near-at-hand parcels. English white oxide of antimony has again been reduced, holders asking about 50*l.*, although French can be secured at less.

Buchu is easier on spot, a limited quantity of fair rou green offering at 14*s.* 6*d.* per lb.

Buckthorn Bark is offered at 100*s.* per cwt. on spot.

Cadmium is dull, and quotations are about 6*s.* to 6*s.* per lb. The supply is more than sufficient to meet demand.

Camphor (Refined).—The English refiners have redu their prices by 1*s.* per lb. to 5*s.* 3*d.* per lb. for minim quantities of 2 cwt. of flowers and 6*s.* 3*d.* for sma quantities. Blocks have been reduced in proporti Japanese 2½-lb. slabs offer at 4*s.* 9*d.* and Chinese at 4*s.* per lb.

Cascara Sagrada.—Spot sales of three-year old h been made at about 97*s.* 6*d.* per cwt., and to arrive 9 c.i.f. would probably buy.

Castor Oil has been reduced further, English ph maceutical offering at 52*l.*, first pressing at 47*l.*, a second pressing at 42*l.* per ton, packages included, works Hull.

Chamomiles.—In view of the improvement in the r of exchange, there has been rather more inquiry and pri are steadier. Fair white French offer at from 155*s.* 160*s.* per cwt. on the spot.

Cinchona.—At the auction held at Amsterdam, January 19, 1,715 bales and 250 cases Java phar ceutical bark offered, weighing 103,393 kilos., containing the equivalent of 2,982 kilos. quinine sulpha Of this quantity 69 bales and 75 cases, weighing 7, kilos., and containing the equivalent of 157 kilos. quini sold at from 60c. to 140½c. per half-kilo. The fu hand stock in Amsterdam on December 31, 1920, 13,233 packages Java, 175 Ceylon, and 17 Bolivian.

Coca Leaves.—The first-hand stock at Amsterdam December 29, 1920, was 5,874 packages Java and Peruvian.

Cocoa Butter.—English is quoted at 1*s.* 8*d.* per lb. works, being easier.

Cod-liver Oil.—It is anticipated that the new Lofo fishing will commence at the end of this month. is usual on the eve of the new fishing, the market quiet and prices nominal. Although the price in cro is unaltered (writes our Bergen correspondent, January 17), the price in sterling has advanced, ow to the considerably reduced rate of crowns for sterli To-day's price for non-freezing steam refined oil about 220*s.* per barrel c.i.f. London for direct stea shipment. In London, agents quote 220*s.* per barrel c. for 1921 oil to arrive. The spot price of finest 1920 oi about 212*s.* 6*d.* per barrel. The remarkable "ope weather this winter has led to a diminished demand fr retailers.

Copaiba is easier, filtered B.P. offering at 3*s.* 3*d.* per

Cubebs.—Genuine of good standard quality offer at per cwt.

Egg Products remain quiet. Chinese liquid hen-y is 80*s.* per cwt. for prime, and for March-May and Ap June shipment 80*s.* per cwt. c.i.f. has been paid. Dr yolk is 6*d.* per lb. to 7½*d.*, as to quality, on the sp sprayed whole egg 1*s.* 3*d.*, and native dried whole is per lb. spot. Liquid whole has been sold at 60*s.* Pr Chinese hen *albumen* is 3*s.* 6*d.* per lb. on the sp January-March shipment is 2*s.* 11*d.* per lb. c.i.f., April-June 3*s.* 3*d.* c.i.f.

Ergot is cheaper, with sales of fair sound Spanish Portuguese at 7*s.* 6*d.* to 7*s.* per lb.

Farina.—Japanese No. 1 is a trifle easier, offe at 26*s.* 6*d.* per cwt., and for January-March shipment c.i.f. has been paid. Dutch is quoted 23*s.* spot.

Gentian.—Fair French is steady at 57*s.* 6*d.* per cwt. the spot.

Hydrastis is easier both on the spot and to come ward. Spot can be bought at 37*s.* per lb.

Ipecacuanha.—Although 6*s.* was paid for a single l of East Indian in the drug-auction last week, and n could have been had at that figure, the importers' p after the auction was, and is, firm at 8*s.* per lb.

Juniper Berries can be had at 20*s.* per cwt. on spot, and slightly less for quantities.

LINSEED OIL—Moderate fluctuations have been recorded om the worst touched late last week down to 31*l.* per n for forward positions, but occasional support chiefly lates to a few repurchases against outstanding con- acts. The trade outlook is cheerless, while manufac- rers fight shy of undertaking new business for the esent. London closes at 33*l.* naked and Hull at 31*l.* 5*s.*

LOBELIA.—Loose herb is offered at from 4*s.* 6*d.* to 4*s.* 9*d.* r lb. on the spot.

MACE OIL is offered at from 10*s.* 6*d.* to 11*s.* per lb. for utch.

MENTHOL is dull, Kobayashi-Suzuki offering at 25*s.* 6*d.* r lb. on the spot and February-March shipment at s. c.i.f.

MERCURY.—Although there is no indication of any oadening demand, holders are not pressing sales, but e tone is easy, with quotations ranging from 12*l.* 5*s.* to *l.* 10*s.* per bottle. Sellers of Italian are quoting up 13*l.* The American market has been reported steadier, e price in New York having lately fluctuated up to out $45 per flask. Recent cheap resales having been parently completed, the stocks available will eventually considerably reduced and are well held.

OILS (FIXED).—*Coconut* is lower, Ceylon on the spot fering at 65*l.* per ton and January-March shipment at *l.* Cochin is 70*l.* for shipment and 80*l.* on the spot. *oya* is lower, January-March shipment in cases offering 35*l.* and barrels at 37*l.* per ton c.i.f. *Ground-nut* is active and lower, Oriental in cases offering at 40*l.* for anuary-March shipment. Crude English crushed is *l.* naked, and deodorised in barrels 50*l.* ex mill. ankow *Wood* oil is 70*l.* per ton spot and 65*l.* c.i.f. to rive.

OPIUM.—The London market continues dull, and spot ices are as quoted in last week's issue.

ORRIS.—Current values of good Florentine sorts are om 59*s.* to 60*s.* per cwt., and Verona 40*s.* to 42*s.*

SASSAFRAS.—Root of bark remains slow of sale, with ot sellers at about 3*s.* per lb.

SENEGA has shown slightly more demand, and the price maintained at about 5*s.* 3*d.* per lb.

SHELLAC.—The spot market is unchanged at 350*s.* per t. for usual standard Orange TN quality; fine lemon 475*s.*; fine second Orange, 400*s.*; pure button, 450*s.*; d AC cakey, 405*s.* Futures show little change, the les including March at 275*s.* to 270*s.*, and May at 250*s.* 240*s.*

SQUILL.—Spot values of fair white are from 35*s.* to 40*s.* r cwt., and old brown 27*s.* 6*d.*; to arrive, fair white er at 30*s.* c.i.f., and seconds at 25*s.* per cwt.

TURPENTINE.—There is not the least disposition amongst nsumers to depart from their hand-to-mouth buying titude in view of the further heavy increase which has ken place in the London warehouse stocks to about ,500 barrels. The further considerable recovery in the merican rate of exchange naturally works against lders of stock. The nominal price of spot and to ril delivery is 80*s.* per cwt., with a weak market.

WAX (BEES').—Jamaica can be had at 10*l.* 10*s.* and fair nzibar at 6*l.* 5*s.* per cwt., being cheaper. Sellers of nuine Italian offer at 7*l.* per cwt. to come forward.

Seeds and Spices.

CANARY SEED is lower at 80*s.* to 85*s.* per quarter for dinary to fair Morocco and at 120*s.* for good.

CAPSICUMS.—At auction 384 bales Bombay were bought at from 65*s.* to 70*s.* per cwt.

CARAWAY SEED is unchanged at 35*s.* per cwt. for good utch and 24*s.* for North African.

CASSIA LIGNIA.—At auction, 131 packages Chinese ered and 96 cases sold without reserve, with all faults account of whom it may concern, at 23*s.* per cwt. for ole, slightly fresh-water damaged. Privately 35*s.* is oted for whole selected and 25*s.* for broken.

CHILLIES.—At auction, 102 bags Zanzibar offered, and sold at 120*s.* for ordinary reddish and yellow nzibar.

CLOVES.—Zanzibar is quiet, with spot sellers at from *d.* to 1*s.* per lb., and sellers of January-February ipment at 8½*d.* c.i.f.

CORIANDER SEED is still quoted 7*s.* 6*d.* per cwt. for good sound and 12*s.* to 13*s.* for wormy, with little doing.

CUMIN SEED is slow of sale at 22*s.* 6*d.* per cwt. for fair-sifted Morocco.

GINGER.—After a long period of depression and low prices which has led to the cessation of imports from Japan, considerably more interest has been shown and a very fair spot business has been done in Japanese on the spot at from 37*s.* 6*d.* to 40*s.* per cwt. At auction 450 bags Cochin offered and 57 bags sold at from 35*s.* to 36*s.* for fair small washed rough, slightly wormy being cheaper; 12 bags good common Jamaica were bought in at 60*s.*

LINSEED.—Good qualities can be bought at 25*s.* to 27*s.* 6*d.* per cwt.

MACE.—At auction lower prices were accepted. Eight cases West Indian sold at 1*s.* 3*d.* to 1*s.* 6*d.* for fine, 1*s.* 1*d.* for good, and 10*d.* per lb. for fair; 15 cases Bombay sold at 7*d.* for common dull red flat, and 12 cases Java realised 1*s.* for fair thin, 9*d.* for ordinary, and 6½*d.* for pickings.

MUSTARD SEED is lower at 25*s.* to 30*s.* per cwt. for fair to fine English yellow.

NUTMEGS.—At auction 47 packages Java sold, including limed 81's at 7*d.* to 9*d.*; 106's to 112's, 7*d.* to 8*d.*; broken and defective, 4½*d.*; of 16 packages West Indian 7 sold at 6½*d.* for slightly defective 80's, and 6*d.* for 120's ditto.

PEPPER is steady, sales including fair *Black* Singapore at 4½*d.* per lb. To arrive, January-March and February-April shipment have been sold at 4¾*d.* c.i.f. Fair Tellicherry is quoted on the spot at 5¼*d.*, Lampong at 5*d.*, and Aleppy at 4½*d.* *White* Muntok is 9*d.* spot. For shipment the sales include January-March and February-April at 9*d.* to 8⅞*d.* c.i.f. White Singapore has sellers at 8½*d.* on the spot. To arrive, February-April shipment is quoted at 8¼*d.* c.i.f.

PIMENTO is inactive, with spot sellers at 3½*d.* per lb.

Essential Oils.

THERE appears to have been more inquiry during the week, and some dealers report an improvement in the number of small orders. Stocks in the hands of both dealers and consumers are said to be small, and some of the leading importers have done very little forward buying. A fair number of articles have declined slightly in value during the week. Synthetic chemicals have been in better demand, but prices are still irregular.

ANISE, STAR, is quiet and easier, with spot sellers at 2*s.* 9*d.* per lb. and February-March shipment at 2*s.* 7*d.* c.i.f., with buyers at 2*s.* 6*d.* c.i.f.

BERGAMOT is lower, spot being offered at from 26*s.* to 28*s.* for 37-39 l.a. Round lots could probably be obtained at less. Forward quotations have been made at from 22*s.* 6*d.* to 25*s.* c.i.f., being somewhat weaker.

BOIS DE SIAM.—This oil, which was introduced in view of the scarcity of cedarwood oil, is now offered on the spot at 12*s.* per lb. It is said to have several times the concentration of the product obtained from cedarwood (*C. & D.*, II., 1920, p. 1396).

CASSIA.—Spot 80-85 is dull and easier, with sellers at 5*s.* 6*d.* per lb. To come forward, 4*s.* 4½*d.* c.i.f. is quoted.

CINNAMON.—Ceylon leaf is easier at 6*d.* per oz. for spot.

CITRONELLA.—Ceylon is weak on spot, with holders offering at from 1*s.* 6*d.* to 1*s.* 8*d.* per lb. in large drums. Java is lower, sales having been made at 4*s.* to 4*s.* 3*d.*

CLOVE LEAF.—Good quality Seychelles, as imported, is obtainable on spot at 5*s.* 6*d.* per lb.

CUMIN is quoted at 28*s.* per lb. c.i.f. to come forward. Spot offers are unchanged at 30*s.*

GERANIUM.—Bourbon has declined slightly, spot holders quoting from 32*s.* to 34*s.* per lb. Algerian of good quality is also lower, being obtainable in one direction at 38*s.*, although some holders made the price about 42*s.*

GINGER is obtainable in 10-lb. lots at 49*s.* per lb. on the spot.

GINGERGRASS.—"Insoluble" is obtainable at 15*s.* per lb. in original pots, which is lower.

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LEMON.—Average quotations for well-known brands are still about 4*s*. to 4*s*. 6*d*. per lb. spot. To come forward is quoted at 4*s*. 3*d*., and March-April shipment at 3*s*. 9*d*. c.i.f.

Palermo, January 20.

The only factor influencing the market during the last fifteen days was the dispute between the Camera Agrumaria (Government Board of Control on the Production and Sale of Citrate of Lime) and the producers of citrate of lime and essential oils, which has resulted in an attempted lock-out by the latter. This, however, only lasted a few days. As a result certain producers are disposed to part with small quantities of lemon oil at somewhat lower figures; this has given a weak tone to the market.

LEMONGRASS is quiet on spot, 6*d*. per oz. being about the value.

LIME.—West Indian hand-pressed has been in request this week. Spot quotations are unchanged at from 16*s*. to 17*s*. 6*d*. according to quantity. Distilled is unchanged at 4*s*.

LINALOE.—Mexican wood oil is cheaper, good quality being obtainable at from 25*s*. to 28*s*. 6*d*. for spot.

MINT.—Japanese dementholised is quiet, with Kobayashi-Suzuki offering on the spot at 5*s*. per lb., and February-March shipment at 4*s*. 9*d*. c.i.f.

MUSTARD.—Artificial Dutch is in fair demand at about 14*s*. 6*d*. per lb.

NUTMEG is easier at 9*s*. per lb. on the spot.

ORANGE.—Sicilian sweet is quiet and weak on the spot, holders quoting from 15*s*. 6*d*. to 16*s*. 6*d*. per lb. for good brands. Forward offers are made around 15*s*. 6*d*. c.i.f. Importers of West Indian oil report that bids which, they consider, are reasonable have not been accepted, owing, it is said, to an improved demand at the source.

PALMAROSA.—Only small lots have been in request at about 20*s*. per lb. Importers would accept from 17*s*. to 19*s*. for original pots.

PATCHOULI.—Spot holders give from 72*s*. to 72*s*. 6*d*. per lb, as the price. A good demand is reported from the North of England, where 73*s*. 6*d*. per lb. is said to be readily obtainable.

PEPPERMINT.—American tin oil is weak at 31*s*. to 31*s*. 6*d*. per lb. for spot. A report from the source states that prices are not expected to decline much further unless weak holders are forced on to the market. A further improvement in the exchange would, of course, be reflected in lower quotations.

ROSEMARY.—Spanish is easier on spot, holders quoting from 3*s*. to 3*s*. 6*d*. per lb. in drum lots.

SPIKE.—Sales of Spanish have been made during the week at about 5*s*. 9*d*. per lb. for spot. Quotations are made up to 6*s*. 3*d*., according to seller.

WINTERGREEN is unchanged on spot, holders quoting from 33*s*. to 36*s*. per lb., according to seller.

WORMWOOD.—Forward quotations are slightly easier at 95*s*. per lb. c.i.f.

Aromatic and Synthetic Chemicals.

AMYL SALICYLATE is lower on spot, sellers now quoting 8*s* per lb. BENZALDEHYDE is lower at from 4*s*. 6*d*. to 5*s*. per lb. spot and 4*s*. to arrive. BENZYL ALCOHOL and BENZYL ACETATE are obtainable at 5*s*. 6*d*. per lb., and BENZYL BENZOATE at 6*s*. ex warehouse, London. BROMSTYROL has been reduced on spot to 16*s*. to 18*s*. per lb. COUMARIN is lower at 14*s*. to 15*s*. 6*d*. per lb. on the spot, according to seller. LINALOOL has been quoted at 40*s*. per lb. spot. METHYL SALICYLATE is unchanged at about 3*s*. per lb. PHENYL ETHYL ALCOHOL, French, of good quality, is obtainable at 35*s*. per lb. on spot.

Pharmaceutical Chemicals.

THIS section continues very quiet, sales being confined to small lots only. The general tone continues weak and unsettled, with a number of reductions (mostly from dealers' hands), including gallic acid, caffeine, guaiacol liquid, methyl sulphonal, sodium bromide, ammonium bromide, hydroquinone, phenacetin, salol, sulphonal, and vanillin. Phenazone and hexamine are steady. American makers have again reduced their prices for salicylates, aspirin, antipyrin, and saccharin, but their prices for these products are still above the London parity. About n- other 5 per cent. has to be added to the German ma rs' quotations for a few fine chemicals, but it is not effe ve owing to the stocks in dealers' hands. We are info ed that large quantities of sodium and potassium bro de have been lately thrown on the German market, w ch do not answer the tests of the German Pharmaco ia. Consequently the greatest caution is requisite in re rd to certain low offers, especially when they emanate m obscure German dealers, of which the number cons r- ably increased during the war. The same applie to strychnine nitrate, containing up to 50 per cent of brucine, which has been offered from Germany at a w price.

ACETANILIDE is in little demand, and the price is n- steady and easy at about 2*s*. 3*d*. to 2*s*. 6*d*. per lb.

AMIDOPYRIN remains quiet, and can be had at s. per lb.

AMMONIUM BENZOATE is still quiet, with values m tained at 6*s*. 6*d*. per lb.

AMMONIUM BROMIDE is again a little cheaper, with market almost lifeless; good stocks are now offerin 1*s*. to 1*s*. 1*d*. per lb.

ASPIRIN is quoted at about 3*s*. 4*d*. to 3*s*. 6*d*. per there is but small demand.

BARBITONE is steady and quiet at 17*s*. to 18*s*. per l

BENZONAPHTHOL varies from 9*s*. 6*d*. up to 11*s*. per a little business is on the market.

BORIC ACID remains unchanged at last week's price 74*s*. per cwt. for crystals and 76*s*. for powdered, com cial quality; market quiet.

CAFFEINE is quoted by makers at the previous figur 33*s*. per lb., some lots offering at 29*s*. per lb. from deal there is but small demand.

CALCIUM LACTATE is still quiet, and continues offe at from 3*s*. to 3*s*. 6*d*. per lb.

CHLORAL HYDRATE is unchanged and quiet at al 5*s*. 6*d*. per lb.

CITRIC ACID has been in more demand for export to U.S.A., and business has been done in "outside" par up to 2*s*. 5*d*. per lb.; value range from 2*s*. 3*d*. to 2*s*. per lb.

CREAM OF TARTAR (98/99 per cent.) is unsteady quiet at from 165*s*. to 175*s*. per cwt.

CREOSOTE, B.P., is dull, and values are weakeni now quoted at about 5*s*. per lb.

CREOSOTE CARBONATE is unchanged and quiet at per lb.

GALLIC ACID is cheaper, importers offering at 5*s*. and 4*s*. 9*d*. to arrive.

GUAIACOL CARBONATE is quoted at from 17*s*. 6*d*. to per lb., but there is very little business passing; liq is offered at 18*s*.

HEXAMINE has firmed up, and is now steady at 7*s*. per lb., with a little movement.

HYDROQUINONE is easier this week, and the market very quiet; now offering at about 6*s*. per lb.

IRON, REDUCED, is offered at lower prices from U.S.A., being obtainable at about 3*s*. 6*d*. per lb.

METHYL SALICYLATE is unchanged, but the market is settled at about 3*s*. per lb., with very little business.

METHYL SULPHONAL is from 23*s*. to 24*s*. per lb., wh shows a slight drop from last week; only small orders on the market.

PARAFORMALDEHYDE is still quiet, with offers at fr 4*s*. per lb. upwards.

PARALDEHYDE is weak, and is freely obtainable at ab 2*s*. 9*d*. per lb. in cases.

PHENACETIN is easier at 9*s*. 6*d*. to 10*s*. per lb.; limi business doing.

PHENAZONE is steady at 9*s*. 6*d*. to 10*s*. per lb., as quantity, on a quiet market.

POTASSIUM BROMIDE.—The cheaper parcels appear to disposed of, and 9*d*. per lb is now lowest to come forw from Germany. Spot parcels are selling at from 10*d*. 11*d*. for granular or crystals.

POTASSIUM IODIDE.—The exports from Japan duri October amounted to 1,137 kin, valued at 8,407 y

ıring the ten months ended October 31 they were as llows:

	1918	1919	1920
Kin	151,403	84,869	16,761
Yen	936,349	550,041	140,453

crude iodine, 235 kin, valued at 2,499 yen, were exrted during October, and the exports for the ten months ded October 31 were:

	1918	1919	1920
Kin	52,943	16,954	12,279
Yen	334,520	115,963	86,165

POTASSIUM PERMANGANATE, B.P., is 2*s*. 6*d*. per lb.; ırket continues very unsteady, and some quotations are ver than the figure stated, which is taken as the general erage.

POTASSIUM SULPHOGUAIACOLATE is steadier after last ek's decline at 12*s*. per lb.; market remains quiet.

QUININE.—The opinion is expressed that a reduction the official price of sulphate cannot be much longer ayed, as the position grows more lop-sided every day, ing to the accumulation of stocks. Certain members the distributing body have been restive for some time t, as they have to take up their quota at considerably her prices than they can purchase on the open market, l we understand that several meetings have been held, th a view to finding a remedy. Spot sulphate can be ught at from 3*s*. 5*d*. to 3*s*. 6*d*. per oz. Hydrochloride offered at 4*s*. 2*d*. to 4*s*. 3*d*., and bisulphate at 3*s*. 7½*d*. r oz.

RESORCIN remains unchanged at about 10*s*. to 10*s*. 6*d*. lb.; demand is only small.

SALICYLIC ACID.—This market is overshadowed by the ring of the stock of an important British concern at acrifice, and in some quarters dealers are following the ut," though not quite to the same extent. Small lots B.P. quality offer at 1*s*. 5*d*. per lb from second-hands l slightly less for quantity.

SALOL is very quiet and inclined to weaken at 4*s*. to 3*d*. per lb.

SILVER NITRATE.—The price for crystals was based on metal price of 40*d*. per oz. on January 26 as follows: quantities of 25 oz., 2*s*. 6¼*d*.; 50 oz., 2*s*. 5¾*d*.; 100 oz., 5¼*d*.; 250 oz., 2*s*. 4¾*d*.; 500 oz., 2*s*. 4¼*d*. per oz.

SODIUM BENZOATE, at 2*s*. 3*d*. to 2*s*. 5*d*. per lb., is much adier, and a moderate business passing.

SODIUM BROMIDE is easier, at from 11*d*. to 1*s*. per lb.; market is not steady.

SODIUM DIETHYLBARBITURIC continues to be quoted at 2. per lb. on a quiet market.

STRYCHNINE.—With further reference to last week's paragraph, we are informed that certain low prices which e been circulated apply to impure products offered m Germany, as on investigation, samples of strychnine rate have been found to contain only 30 per cent. of true salt, the remainder being brucine. The English kers' quotation for B.P. crystals is 9*s*. 10*d*., powder 9*d*., nitrate 9*s*. 6*d*., and hydrochloride 9*s*. 7*d*. per oz.

SULPHONAL has experienced a fall, and is now quoted about 21*s*. per lb.; market is quiet and not steady.

TANNIC ACID.—Leviss remains at 5*s*. 6*d*. per lb.; unnged on a dull market.

TARTARIC ACID is nominal at about 2*s*. per lb. for tals or powder.

TERPIN HYDRATE is quiet, with values about the same 5*s*. 3*d*. to 5*s*. 6*d*. per lb.

THYMOL continues unsteady, with last week's figures of 3 to 40*s*. per lb. holding good.

VANILLIN can be had at 49*s*. per lb. on the spot.

Heavy Chemicals.

January 26.

With the exception of one or two slight declines in ues, there is no change of importance to record in this rket. Business continues only in an exceedingly small , and the tone of the market, in the great majority products, is weak and unsettled. Acetate of lead is ined to weaken. Formaldehyde is again a little per. Foreign competition in a number of instances een.

ACETIC ACID is still weak, with but little demand and d stocks offering. Prices are again a shade on the easy side at 68*l*. for glacial and 60*l*. and 58*l*. for 80 per cent. pure and technical respectively

ALUM.—The London price is 19*l*. 15*s*. per ton for lump and 20*l*. 15*s*. for ground in bags from makers.

AMMONIUM CARBONATE.—English makers have reduced their prices by 1*d*. per lb. to 6½*d*. per lb. basis, for lump in casks.

AMMONIUM MURIATE has shown a sagging tendency of late. The price of galvaniser's quality is about 50*l*. per ton, and granular 55*l*., with up to 85*l*. to 90*l*. for finest crystals.

ARSENIC.—The reduced terms recently quoted by agents of Cornish producers at 57*l*. 10*s*. per ton, delivered London or Liverpool, have met with no response; the latest quotation is given at 55*l*., delivered at the works. Demand has been lifeless for some time past, and the market is nominal.

BARYTES continues almost inactive, with values unchanged and nominal at 6*l*. 5*s*. to 10*l*. 10*s*. per ton, according to quality.

BLEACHING POWDER is a little easier on an extremely quiet market, offering from stock at about 22*l*. per ton in hardwood casks.

BORAX is only being inquired for very occasionally; spot parcels are obtainable at 39*l*. for crystals and 40*l*. per ton for powdered. Makers' prices (January 1, 1921) for home trade only are 38*l*. for crystals and 39*l*. for powdered.

COPPER SULPHATE.—The export demand continues very poor indeed, while the efforts which have been made to attract orders down to 38*l*. per ton, and even less, f.o.b. Liverpool, less 5 per cent. for casks, have apparently proved abortive. Cost of production is less than it was some time back, of course, because the metal is now obtainable much more cheaply.

EPSOM SALT is now offering round about 7*l*. 10*s*. per ton, against 8*l*. last week. The market is very quiet.

FORMALDEHYDE has shown little demand, and the prices have again eased off slightly to about 125*l*. per ton.

GLAUBER'S SALT remains at about 7*l*. 10*s*. per ton, but there is very little inquiry and the price is nominal.

LEAD ACETATE.—Sales have been very small, and prices are again a little easier at 57*l*. for brown broken and 60*l*. for white crystals.

LIME ACETATE has steadied, and remains at last week's figures on a quiet market; 80 per cent. grey material is about 25*l*. per ton, and 92 per cent. 34*l*.

LITHARGE continues inactive, and is nominally 41*l*. per ton.

LITHOPONE is weak and inquiry has dropped off altogether; values have consequently declined to 32*l*. for 30 per cent. red seal Continental material and 38*l*. for green seal.

OXALIC ACID continues to be asked for moderately. Fair stocks are available, and the price is inclined to ease to 1*s*. 2*d*. to 1*s*. 3*d*. per lb.

POTASSIUM BICHROMATE is lifeless, with values unchanged at about 1*s*. 2*d*. to 1*s*. 3*d*. per lb. Makers' price to-day is 1*s*. 3*d*. per lb.

POTASSIUM CARBONATE is offering at about 64*l*. for spot lots: makers' price to-day is 55*l*. for 90 to 92 per cent. material: market is unusually quiet.

POTASSIUM CHLORATE is not in demand; spot parcels are offering at 6½*d*. to 7*d*. per lb., makers quoting 6½*d*.

POTASSIUM PERMANGANATE continues to be very unsettled, with quotations still varying from 2*s*. per lb. upwards for commercial, the lower figure being for imported material: makers' price is 2*s*. 6*d*. per lb.

POTASSIUM PRUSSIATE is on the market, but not in demand, at 1*s*. 4*d*. for yellow and 2*s*. 9*d*. for red: makers' prices reduced to 1*s*. 4½*d*. for yellow and 2*s*. for red.

SAL AMMONIAC.—The English makers have reduced their prices by 10*l*. per ton to 100*l*. for firsts and 95*l*. for seconds; ground is 100*l*. to 105*l*.

SALTCAKE is moving but very slowly, and the market is weakening; spot lots offer at about 12*l*. upwards per ton in bulk f.o.b. makers' price for home consumption only, reduced this week to 9*l*. 10*s*. per ton.

SODA ASH (58 per cent. light alkali) is offering spot at about 10*l*. per ton in single bags f.o.b., and there is a

little demand : makers' price, for home consumption only, remains at 8*l.* 10*s.* per ton.

SODA CRYSTALS are not in much demand, spot lots offering at about 8*l.* per ton : makers' price, for home trade only, 7*l.* per ton in bags, carriage paid.

SODIUM BICHROMATE is lifeless and has eased off slightly, spot lots offering at 9*d.* per lb. and less. Makers' prices remain at 10½*d.* per lb. American material is offering freely prompt at 8*d.* per lb. c.i.f. U.K. and Continent.

SODIUM CAUSTIC, 70 to 72 per cent., has again eased off a little at 23*l.* per ton f.o.b. for English material, and there is but small demand : makers quote 24*l.* 10*s.* per ton for home trade only. American 76 per cent. is offered at about the same figure c.i.f. U.K. or Continent.

SODIUM CYANIDE remains very quiet, with values maintained at makers' figure of 1*s.* per lb. per 100 per cent. basis f.o.b.

SODIUM HYPOSULPHITE is again easier, pea crystals on spot now offering at about 27*l.* 10*s.* per ton packed in sound kegs, but the demand has fallen off. Commercial quality is also lower at 21*l.* in bags or casks. Makers' price for commercial is also reduced to 20*l.* per ton for home trade only.

SODIUM NITRATE (REFINED).—96 per cent. f.o.r. Liverpool is now offered at the reduced figure of 22*l.* 10*s.* per ton, but there is but very small inquiry.

SODIUM NITRITE is reduced by makers to 54*l.* for 100 per cent. material on a quiet market.

SODIUM PRUSSIATE is very dull. Spot lots have eased off to about 10*d.* per lb.; makers' price is also down to 9½*d.* per lb.

SODIUM SULPHIDE remains quoted by makers at 33*l.* for 60 to 65 per cent. concentrated material : spot lots of 60 to 62 per cent. solid in drums offer at about 30*l.* per ton, but the demand is very small. Spot prices have declined since last week.

SODIUM SULPHITE is almost inert, and prices are again easier at about 36*l.* to 37*l.* per ton, for anhydrous material.

TIN CRYSTALS remain very quiet, with values reduced by makers to 1*s.* 7*d.* per lb.

ZINC PRODUCTS.—The dulness of business is as conspicuous as ever and the tendency of the market has continued in buyers' favour. In regard to zinc oxide, German competition has remained in evidence, although, so far as can be gathered, selling agents have made no further important concessions. Home makers here and there have again adjusted their terms, and the range of prices has been narrowed down somewhat. The nearest quotations are about as follows : White seal 53*l.* to 55*l.*, green seal 51*l.*, and red seal 48*l.* to 48*l.* 10*s.* a ton f.o.r. Zinc dust is neglected, best English being 75*s.* to 85*s.* per cwt. delivered, while American high-grade stands at 70*s.* upwards, and Australian at 70*s.* to 82*s.* 6*d.* net f.o.r. Continental offers at lower rates are heard of, but there is practically no business.

COAL-TAR PRODUCTS, ETC.—There is very little material difference in the state of the market. Aniline oil is down to 1*s.* 8*d.* per lb. on a quiet market. Aniline salt remains fairly steady at 1*s.* 9*d.* per lb., with but small business. Betanaphthol is now offering at 2*s.* 3*d.* per lb. packages free, but is not in good demand. Paranitraniline remains fairly steady at 6*s.* 6*d.* per lb. and is quiet. "H" acid is a little cheaper at 9*s.* 6*d.* per lb., packing free, but the demand is only moderate. Benzol is only moving slowly and remains at 3*s.* 4*d.* for pure and 3*s.* for 90's. Toluol is a steady market and remains at 3*s.* 10*d.* for pure and 3*s.* 6*d.* for commercial. Solvent napthha has declined to 2*s.* 8*d.* per gallon for 90/160 on a very quiet market. Creosote oil is unchanged and quiet at 1*s.* 2*d.* per gallon. Carbolic acid crystals are unsteady and parcels are offering for resale at from 8*d.* upward per lb.; makers quote 9*d.* per lb.; ample stocks available, but the demand is not good. Cresylic acid is unchanged, with limited business; crude 2*s.* 6*d.*, 97 to 99 per cent. 3*s.* 8*d.* per gallon. Naphthaline is quiet, with values the same as last week at 10*l.* to 18*l.* for crude, crystals at about 38*l.*, powder at 39*l.* per ton. Disinfectants remain quoted at 3*s.* 10*d.* per gallon. Pitch is steady at 8*l.* 10*s.* per ton, with barrels free.

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Hamburg Drug and Chemical Markets.

January

IF we, following a business man's custom, at the begin of a new year, strike the balance of the German Em the entry to be carried forward on the account for l is a terrible one politically, economically, financially, morally, and the prospects of cancelling it are dark difficult. The older members of the present generation abandon all hope of ever again witnessing the peace standard of German commerce, industry, and of applica to work. In the new year we are confronted by the difficult decisions, for never in the existence of the w have decisions of such immense importance been place the hands of so few men, and never has such mighty p lain in the grasp of so few hands. May reason, comm sense, and peace govern, for only then can Europe whole be restored, or it will perish as a whole.

The drug and chemical markets begin the new year in unhealthy condition. The uncertainty regarding pr which existed at the close of the past year, has become more accentuated, and compulsory unloading and auct are on the increase. The withdrawal or suspension of b credits has dealt a death-blow to the outside specula with the exception of a very few. The over-stocked w houses, which at one time were held out as a panacea all ills, have now become a misfortune, since all parties waiting for purchasers, but these are not forthcoming. capacity for buying has been crippled, and the spirit enterprise has been killed. The army of the unemplo as well as the number of bankruptcies, is on the incre both in Germany and abroad, and at present there are signs of any improvement in these conditions. The foll ing quotations are without engagement, for 1 kilo., in mar

ACETANILIDE is not in demand, in spite of its low pric m.25, for inland use, and m.30 for export.

ACETIC ACID (80 per cent.).—Larger transactions have ta place at the reduced price of m.12. The price for ex is m.14.

AMMONIUM BROMIDE has declined to m.25.

AMMONIUM CARBONATE.—For inland use the price has clined to m.6. Foreign buyers are evincing increa interest in powder at m.7 and lumps at m.9.50.

ANTIPYRIN is in demand at m.290 for inland use and m. for export, while supplies are not very plentiful.

BELLADONNA LEAVES have been bought for export at m

BENZALDEHYDE, almost free from chlorine, for foodstu has declined to m.50, and for orders for 1,000 kilos. can supplied at m.45.

CAFFEINE.—Pure is scarce at m.900, and has recently b not much in demand.

CITRIC ACID.—In consequence of the increase in the Ital price for calcium citrate the present price for acid of m for inland use, and m.80 for export, deserves attention.

COUMARIN.—The demand for this article is comparativ small, and it has been extensively bought up by speculat The price has now declined to m.275.

CREAM OF TARTAR (99/100 per cent.).—We are keeping s with manufacturers' price of m.35 for inland use, and m for export. Supplies are not very plentiful, and the dema is good.

DIGITALIS LEAVES are offered in large quantities at m.8.

ERGOT.—Only small transactions are taking place in G many, but foreign buyers are evincing increased attenti in this drug at m.240.

GLYCERIN.—Ph.G.V. quality was in greater demand m.35, while supplies are scarce.

HEXAMETHYLENETETRAMINE is particularly in demand foreign buyers at m.190.

HYDROQUINONE has declined to m.125 owing to abse of demand.

LYCOPODIUM (GENUINE).—The demand is greater than supply, and is obtainable only in small quantities at m.4

MILK-SUGAR is quoted at m.31. It is in good dema while supplies are scarce.

PHENACETIN.—Plentiful supplies have lowered the price m.175 for inland use, and to m.200 for export.

PHENOLPHTHALEIN.—Large stocks being available the pr has declined to m.90 for inland use, and m.100 for expor

POTASSIUM BROMIDE.—The home demand is very sma on the other hand, foreign buyers are evincing increas interest at the price of m.17.

POTASSIUM CHLORATE is being sold at m.8 for inland u but is in greater demand for export at m.9.50.

POTASSIUM PERMANGANATE.—For inland use, m.45; for port, m.50, at which it is in demand.

POTASSIUM SULPHOGUAIACOLATE has recently been in sli demand at m.255.

PYRAMIDON.—Genuine is in constant demand at m.650 inland use, and m.750 for export.

CORRESPONDENCE

Dangerous Drugs Act.

SIR,—In view of inquiries received as to the bearing on hospital pharmacy of the Draft Regulations recently published under the Dangerous Drugs Act, may I be permitted to state that Messrs. J. A. Jennings, Langford Moore, and the present writer have been for some time past in communication with the authorities on the subject, and that efforts are being continued towards securing some modifications of the Regulations in favour of hospital pharmacy? Yours faithfully,

London Hospital, E. F. A. HOCKING.

Retail Pharmacists' Union.

SIR,—I shall be extremely obliged if you will allow me to announce, through your Correspondence columns, that the response received to the Retail Pharmacists' Union's circulars has been almost overwhelming, and that some days will elapse before it will be possible to issue the requisite receipt forms and share certificates. I hope to be able to issue receipts to all those who have replied within a week from date of receipt of their application. I should like also to take this opportunity of thanking my friends in the country for the many expressions of encouragement and confidence sent with the applications for membership. Yours faithfully,

G. A. MALLINSON, Secretary.

SIR,—We are informed that the propaganda work for the new Pharmacists' Union is to be intensive, and also extensive, for a period of at least three months. As propaganda work, comprising the necessary printing, postages, salaries, and so on, costs a considerable amount of money, it would be interesting to know where the funds are coming from, there being presumably no paid-up members at present. And in the event of there not being sufficient subscribers eventually to meet the expenses, who will stand the loss?

Yours faithfully,

NON-SUBSCRIBER (22/1).

Matters in Trade.

SIR,—In Mr. Porter's interesting address on "Matters in Trade" to the Thames Valley District Pharmacists' Association (*C. & D.*, January 22, p. 65) he mentioned the claims of British *versus* foreign goods. There are probably no English pharmacists who would willingly sell a foreign article in place of a home-made article of equal merit, but unfortunately the retailer has often no choice. The British public, in spite of all the newspaper campaigns, has a strange predilection for a foreign-made product. The principal lines which affect the pharmacist are foreign proprietary medicines, toilet requisites such as tooth-pastes, soaps, etc., and sundries, as nail-scissors, manicures, flasks, and so on. In the first instance, whether it is the foreigners' methods of advertising or not, the public insists on the alien remedy every time. Let the pharmacist put up an identical preparation, packed as neatly and of equal value, and the public will have none of it. With regard to sundries, it is largely a question of price, the public will buy the cheapest article, whether it is German, American, or any other make; and if the pharmacist sticks to British-made goods at double the figure he merely drives his customers to the stores, who are out for business unchecked by any scruples of nationality. If the manufacturers would devote only a small portion of the vast amount of advertising space they pay for yearly to a few notes, educating the public to the fact that every time they buy foreign goods they are sending their hard-earned money abroad and putting up the cost of living against themselves, they would be doing us all a good service.

Yours faithfully,

HOME GOODS (19/9).

Proposed Fellowship of Pharmacy.

SIR,—I think the Irish Pharmaceutical Society is to be congratulated on deciding to consider Dr. Barnes's proposal of a Fellowship of Pharmacy. The scheme is a sound one, and the institution of a post-graduate course followed by a higher degree will bring the Society into line with other learned societies and corporations, but the scheme is too parochial. To have any value a Fellowship of Pharmacy should be granted not by one of the Societies, but conjointly by the British and Irish bodies. If Major Peck and the leaders of pharmaceutical thought on this side of the Channel are in earnest in their proposals for the advancement of pharmacy, here is a scheme for their adoption. I suggest that a Fellowship of this sort might well take a far higher position than a University degree in pharmacy. Universities are notorious for taking little interest in their graduates once they are "capped," and in the medical profession the "blue ribbon" of the physician or the surgeon is not a University degree, but the membership of a College of Physicians or the Fellowship of a College of Surgeons. Fellows in pharmacy might well be granted an academic dress as the various medical corporations have devised robes for their Fellows, and whatever cynics may say to the contrary, even in these iconoclastic days, the "man in the street" attaches great importance to a title and gown. Those who doubt it should visit a court of law and witness the awe which the long robe and wig of the counsel never fails to inspire.

Yours sincerely,

AUSPICIUM MELEORIS (21/1).

SIR,—Dr. Barnes's effort to establish a higher examination than the Licence is deserving of the encouragement of every licentiate of the Pharmaceutical Society of Ireland who cannot feel content to regard the L.P.S.I. as the "be all and end all" of existence. The proposal he makes is full of hope, opening up as it does the prospect of turning to account the taste for study, which many of us retain after the present "Final" is passed, by a continuation of study in the subjects (of which, after all, the Licence examination only requires an elementary knowledge), and becoming masters in chemistry, botany, materia medica, and pharmacy, and, perhaps, bacteriology. No one need feel that a high qualification of this sort would go a-begging in the world of to-day. The Pharmaceutical Society, if they have not the power, should certainly petition for it. Leaving it to the Universities is either shelving it or handing it over to the doctors, who would soon turn it to their own advantage as they have turned everything in the world of medicine, except the crumbs that fall from their table. It is perhaps well for licentiates to realise that there may be, if not opposition, at most doubtful help, from their *confrères* and from selfish motives. Human nature shows its weakness everywhere, and we need not expect great enthusiasm for this project from those who will not avail of it; but with such an able champion as Dr. Barnes I think we can afford to be optimistic. It is well known that many chemists turn to reading for a medical degree in what might be called despair of the conditions of a pharmacist's life and prospects. It is really a shame that men of ability and energy have to turn from the profession of their adoption, and in which the best years of their lives have been spent, to take up a course that is almost entirely foreign to them, merely because their own has proved too small for them by reason of its being "cribbed, cabined, and confined." I cannot think that once this subject has been seriously raised it will be allowed to drop until the Higher Qualification examination is instituted, and a new field is opened for the pharmacist who feels he would like to break new soil. All success to Dr. Alfred J. Barnes.

Yours truly,

E. M. (24/1).

Hints to Manufacturers.

SIR,—"Jay Mack" makes some practical suggestions to wholesalers supplying heavy goods in packages which can be easily handled. I would like to supplement his remarks by calling the attention of those who make a variety of articles that each container should be plainly

labelled on the outside, so that when placed on the warehouse shelves or drawers the contents alone may be read at a reasonable distance. Time would be saved and stock-keeping simplified. This brings me to the question of Burroughs Wellcome's tabloids, which probably waste more time in stock-keeping than all the other patents put together. With their infinite variety, fancy names, different strengths, numerous formulas, coated and uncoated, there is no case, drawer, or nest of shelves which will accommodate the collection, and any system of classification by numbers or H.B.C. is bound to be upset in a week. To add to the infliction the makers persist in smothering the blue packages with advertising matter, so that the name of the drug or chemical cannot be distinguished without handling the package under the closest scrutiny. To those with defective sight, lack of organisation, or the bump of order, the time and postages wasted cannot be estimated. If the chemist's time is money, then the loss of it must take the shine off the 25 per cent. discount. For years I have asked Messrs. Burroughs Wellcome & Co. to put the name of the article in plain black and white, not only on the end of the packages for shelves, but on the lids in case they go in drawers. My efforts to convince the makers have not only failed, but the firm go so far as to say that no other chemist appears to be hampered, and that my complaint is "unique." I have no wish to flood the offices of the *C. & D.* with useless correspondence. There are 3,000 chemists in business; if there be a few who have never wasted time in keeping stock of tabloids they may address the *C. & D.*, but I would, as a favour, ask all those who agree with me to send a postcard to Burroughs Wellcome & Co., and I think it may prove a penny well invested. Yours faithfully,

J. J. JACKSON (Chave & Jackson, Ltd.).

Hereford.

Qualified Assistants' Remuneration.

SIR,—I am wanting an assistant and have had the audacity to aspire to a qualified man. Alas for aspirations! I find I am hopelessly "up against it." My advertisement brought me over one hundred replies, and I have young and old, fully fledged, offering their services from all parts of the country. I find the average wage required 5*l.* per week, and young men who have finished their apprenticeships (often broken on account of the war), now qualified, tell me their "experience" and asked the figure above mentioned. My business is an average one—turnover approximately 3,000*l.* per annum, gross profit 1,000*l.* I have 2,000*l.* invested in it, for which

I draw 6 per cent.	£120
I pay myself 6*l.* per week	312
Rent, rates, and general expenses ...	250
Boy and casual labour	75
	£757
Balance	243

Now my young qualified friends tell me they will work for me for 260*l.* per annum. I reflect that prices are falling, profits are getting smaller, trade generally is becoming depressed, and the balance out of which I thought to pay a qualified assistant will soon get beautifully less. The result is I must, through force of circumstances, continue to plod on with less expensive help. The pity of it is, mine is not an isolated case. The average business cannot pay the wage asked by these newly qualified men. If we could get better profits it could be done, but with store competition there is no hope of this. Yours truly,

NIL DESPERANDUM (22/1).

SIR,—In advertising first for a salesman, then for a dispenser, I am struck with the number of replies from juniors, qualified by examination, but without business experience owing to war service. Advertise for a manager and you get fifty replies to one who wants to help. There are hundreds out of employment, but few stand the test of what I ask for in my advertisement. The writing alone disqualifies nine-tenths of the applicants. Two only came near my standard, and one had a false reference. The applicants all want 5*l.* per week, and I would not mind paying the money if I could get efficiency or earning power. There are four classes in the market for employment:

1. The young man who has had no experience since 1914 owing to the war.
2. The better class of ex-Service man who has had no practical experience in a shop. An apprentice who has passed the Qualifying examination wants "management."
3. The middle-aged married or single man who cannot go into business on his own account.
4. The class who have had too much experience—rolled over and over but have gathered no moss.

The result is that the young man who wants to gain experience wishes to make the employer pay for his training. I am inclined to think that the published retail price lists do not leave much net profit for the proprietors, and it is certain that the chemist with an average return—even at inflated prices—cannot make enough profit to keep an assistant at 5*l.* a week. There are few assistants who can earn 5*l.* as salesmen, and at dispensing the gross return is insufficient. On pettifogging quantities 33⅓ per cent., *plus* fees, may prove inadequate. To get at the real gross and net profit on broad lines I should like replies to the following questions—no answer being complete unless the master or man puts a standard wage, say 5*l.* a week, to his working expenses:

1. Say the employee gets 250*l.* and the proprietor 250*l.*, what gross return must be made to earn 500*l.* net profit?
2. What sum in returns must an assistant take per annum in an all-round business to earn his salary of 250*l.*?
3. Taking the last hundred prescriptions dispensed, how much did the ingredients alone cost?
4. On the price-list scale, with fees, how much will the hundred prescriptions realise when sold?
5. How many prescriptions per day can an assistant dispense, doing nothing else and with no help?
6. How many if assisted by the counter-man, bottle-washer, and errand-boy?
7. How much can an assistant take in dispensing alone in a week on the above terms?
8. What is the average price per prescription?

When these questions have been answered we shall arrive at the conclusion that the man who wants more than 5*l.* per week had "better go down in the pits," pharmacy cannot afford to pay him. Every chemist can estimate his overhead expenses, interest on capital, expenses for carriage, postages, heating, lighting, rent and rates from his profit-and-loss account. Do not forget the income tax at 6*s.* in the pound, which is a first charge or mortgage on the total carried to profit and loss or balance-sheet. Proprietors do not seem to know what real or net profits are after stock is taken, but a consideration of the answers to my questions would help to make both masters and men realise how much each can earn.

Yours faithfully,

OBSERVER (29/11).

The Chemist's Dress.

SIR,—I have been much interested in the letters of "An Irish Apothecary" (*C. & D.*, January 15, p. 78) and that of Mr. Septimus Walgate (*C. & D.*, January 22, p. 73), and would like to support the former and join issue with the latter. Surely Mr. Walgate has not been happy in his quotations. Clothes certainly do not make the man, but the Book of Proverbs tells us that "drowsiness shall clothe a man in rags" (Proverbs xxiii. v. 21), and Shakespeare put in the mouth of Polonius the oft-quoted

> Costly thy habit as thy purse can buy,
> But not expressed in fancy; rich, not gaudy,
> For the apparel oft proclaims the man,
> "Hamlet," Act I., Sc. 3.

The first distinction between the educated man and the savage is the question of dress, and in ancient times a man's handicraft or social position was proclaimed by his costume. Apart from uniforms, which form a chapter in the history of dress quite by themselves, all cultured societies have claimed some distinctive dress. The

graduates of the universities have their caps, robes, and hoods: the barristers their wigs, gowns, and bands; and even the councillors of the newest boroughs their cocked hats and fur-trimmed robes. There is no sort of doubt that the glamour of mystery which surrounded the old-world pharmacy attracted into it men with professional rather than commercial instincts. The pharmacy in which I served my time was more like a modern optician's establishment than the bustling drug-store of to-day. The customer was not attracted in by a brilliant display of profitable extras which disguised fairly thoroughly the fact that the shop was a pharmacy at all. He or she came in to buy some medicine or some toilet requisite. The customer stood in no little awe of the immaculate proprietor and his not less immaculate assistant and apprentices. Even the apprentice was to the peasantry "the young doctor," and his advice was eagerly asked for and taken. The gulf between the pharmacist of those days and his business *confrères* in the town was bridged by the good-natured *bonhomie* which makes the old-fashioned Irish servant even to-day the friend and confidant of his employer; but the gulf was there all the same, and the "doctor" was always granted a deference hard to realise by your readers living on this side of the Channel. Is the prestige which still clings to a calling which is certainly a craft, and was until recently all but a profession, worth retaining? Many of your readers have written a good deal of the position of our friends on the other side of the Channel—the *pharmaciens* of France. Not a few of us have made friends among them during the great war, and some at least of us would like to see the British pharmacist occupying the same status in this country. This cannot be done if we dress our assistants like grocers or ham-and-beef salesmen. In the name of real progress in our profession I support the plea of an "Irish Apothecary" for a dignified dress for the chemist.

Yours faithfully,

EXPERTO CREDE (20/1).

SIR,—"Irish Apothecary" must be very behind the times when he suggests that to dress like a gentleman one should not wear an overall behind the counter. He is doubtless aware that all surgeons and dentists wear these when engaged in professional duties, and surely they would be entitled to the designation of "gentleman." I started the practice in 1908, and I was anxious that not only should working uteusils and containers be scrupulously clean, but that the outer garment of the dispenser himself should be free from the dust and contamination of the street. There is surely something to be said in favour of the overall as compared with the dirty grease-covered coats of previous days. Another point, almost every pharmacist-dispenser nowadays has copied the idea to his own comfort and the public satisfaction, and I have yet to learn the wearers are not "gentlemen." I can answer for our staff of eighteen qualified men, and greatly appreciate the pride they take in their professional work. If "Irish Apothecary" were familiar with the West End he would know that Harley Street consultants have emancipated themselves from the tyranny of the silk hat and frock coat.

Yours faithfully,

JOHN D. MARSHALL,

Managing Director, John Bell & Croyden, Ltd.

50 Wigmore Street, London, W. 1.

The Pharmacodynamics of Quinine.

SIR,—Under the above heading a letter appears in the *C. & D.*, January 22 (p. 75), from "M.D., etc.," which we, as homœopathic chemists, cannot help viewing as an exposure of a great evil. That large sums should be wasted by the administration of a valuable drug in excessive and poisonous doses, while our hospitals are asking for funds wherewith to obtain such necessities, seems very unfortunate. That valuable lives should be cut short by the same means is still more so. Drugs have a dual action, material and dynamic. So far as we know, it is only by homœopaths that the latter is recognised and brought into use in the treatment of disease. Therein lies one of the secrets of the success of homœopathy. If in the cases referred to the quinine had been reduced in its material proportions and strengthened in its dynamic power by sufficiently long trituration with a suitable base, what different results might have been obtained! Now, in the face of such striking statements as those which are given in the letter of "M.D., etc.," it surely behoves medical men to look around and see if something less costly, more humane, and in every way immeasurably better can be done. For this purpose we commend an honest, open, and impartial test of the powers of homœopathy. There is plenty of literature by men of undeniable ability and irreproachable honesty of purpose to guide any inquiring mind as to its possibilities. "Hughes' Pharmacodynamics" devotes nineteen pages of a large 8vo volume to an account of the medicinal uses of cinchona and its alkaloid quinine.

Yours faithfully,

Brondesbury, LEATH & ROSS.

London, N.W. 6.

Profits on Outlay.

SIR,—There is just one point that your correspondent "Owen-Varra" appears to have overlooked in his letter on "Profits and Outlay" (*C. & D.*, January 22, p. 73), namely, that it does not always follow, in a business where the expenses are high, that the average sales will naturally be high also. If we take some of the main road suburban businesses we find that rents are dear, dearer certainly than many better-class country districts, and the rates are in many suburbs among the highest in the country, considerably higher even than in the West End. At the same time a suburban business does not as a rule lend itself to big sales; there is of necessity a large proportion of small lines sold, making the average amount per sale low and the sales cost proportionately higher. But corks, paper, etc., cost the same whatever area one's business may happen to be in, although, of course, a pharmacist in a poor neighbourhood will not run to all the elegance in packing that a West-End man would do, but a suburban middle-class customer as a rule expects a West-End service for a twopenny article, and does not object to compare the pharmacist openly to the stores "in town."

Yours faithfully,

CHAS. HAMUS (21/1).

Subscribers' Symposium.

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Appreciations.

The *C. & D.* is the one thing a good pharmacist cannot "dispense" with.—*F. A. T.* (16/11).

I had intended to cease subscribing, but feel I must have the leading trade journal.—*M. P. S.* (249/28).

I have been a reader of your splendid Journal since 1881, and a subscriber since (I think) 1889. It is indispensable to every chemist who tries to keep up to date.—*H. M. R.* (264/21).

From a literary, educative, and business standpoint one has no hesitation in declaring THE CHEMIST AND DRUGGIST the world's leader of pharmaceutical thought and opinion.—*S. C. T.* (12/1).

I have much pleasure in enclosing cheque for my subscription for another year. The *C. & D.* keeps one so well-informed of all that is happening in the pharmaceutical world that I should feel lost without it.—*B. W. D.* (265/16).

I acknowledge, with many thanks, having received the *C. & D. Diary* for 1921. Among my many works of reference the *C. & D. Diary* each year has a prominent place, and can faithfully claim that it is referred to daily. Still further, at the end of each year, the *Diaries* are preserved, because many times the information they contain is again required. I can truly state that I appreciate the *Diary* very much, and I thank the *C. & D.* for the care they exercise in keeping the book, as it were, "B.P. or better."—*E. D. G.* (30/12).

Legal Queries.

Ph.C. (22/1).—You cannot compel your employer to give you a reference when you leave him.

Aspirin (24/1).—Neither the "Blood Mixture" nor the "Flesh Food Tablets," as they are not "held out" as a cure for any "distemper, ailment, disorder, or complaint" within the meaning of the Medicine Stamp Act.

C. W. M. (24/1).—If Insurance prescriptions which contain scheduled poisons are pasted in a book this will be a compliance with the terms of the regulation regarding dispensed medicine given in the Pharmacy Act, 1868. The term used in the Act is "entered," not "copied."

H. R. (25/1).—It is illegal to prepare the hair lotion with methylated spirit, and the sale of the lotion, even if made with industrial spirit by permission of the Board of Customs and Excise, would be an infringement of the Pharmacy Act, owing to the presence of scheduled poisons.

G. P. (22/1) is tenant of a house and shop under a lease which makes the landlord responsible for repairs and for any "charges" made by the local sanitary authority. He has sub-let the house to a tenant who is not under any obligation to do repairs. "G. P." has now been instructed by the local authority to provide a new ashbin for the house, and has referred the Council to his landlord. In the event of the landlord repudiating liability, or of the Council refusing to approach him, would "G. P." be under any legal obligation to supply the ashbin? [There is little doubt that "G. P." could be held responsible for the provision of the ashbin, although reference to the local by-laws is necessary in order to ascertain his exact position. It seems probable, however, that if "G. P." were compelled to provide the ashbin he could look to his landlord for the cost incurred.]

H. R. (25/1) has received from his local gas company a bill upon which is written: "Meter not recording correctly; therefore amount charged is same as for corresponding quarter of last year." Is he bound to pay the bill, having regard to the fact that the meter is the property of the gas company, and should, presumably, be kept in order by them? [The fact that the meter has not been working correctly will not absolve "H. R." from the liability to pay for the gas he has actually consumed. It is obviously impossible to say with certainty what volume of gas has been used, or what amount the Court would order "H. R." to pay in the event of his being sued. We consider that it is reasonable to base the charge upon the corresponding quarter of the previous year, unless for any reason the consumption during the quarter in question must have been less.]

L. J. S. (16/1) recently took new shop premises, in the plate-glass window of which there was a small circular hole caused by a bullet. While fitting new outside blinds the employee of a firm of blindmakers allowed a pole to fall against the window, cracking it from top to bottom. The blindmakers verbally acknowledged their liability for the damage, and offered to pay two-thirds of the cost of a new window, which offer "L. J. S." accepted. The firm now contend that they merely extended a crack which was already present, and refuse to pay more than 2*l.* towards replacing the window. "L. J. S." has not yet paid for the blinds; what course should he adopt?—[The extent of the liability of the blindmakers in respect of the damage to the window is a question for the decision of the court upon the evidence as to the circumstances in which it occurred, and the previous condition of the window. We strongly advise "L. J. S." to effect a compromise if he can; but failing that he should deduct from the blindmakers' account whatever amount he considers they should be called upon to contribute towards the cost of a new window and pay them the balance. If necessary, he should make a legal tender of the balance in cash. In the event of the blindmakers suing "L. J. S." for the unpaid portion of their account he should counterclaim as damages the amount in question.]

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

F. W. B. (17/1).—The cement used for fixing glass labels on the front of the mahogany drawers in chemists' shop fixtures is a saturated solution of shellac in spirit. The liquid should be of a syrupy consistence.

J. A. S. (11/1).—(1) The necessary number of hours in open shop or approved institutions required for the Qualifying examination is 4,000—not less than two years. The hours begin from the date of registration. (2) An apprentice or anyone unable to get the necessary number signed up in one shop can have the difference, if served, signed up by another master. No one can sign up for the hours unless the time certified has actually been spent in his service. Provision is made in the regulations for such events as death of the employer. (3) Three years in England, from three to four in Scotland is the general duration of apprenticeship. This should cover the 4,000 hours, with the necessary time for study and lectures. In four years there is more freedom in the curriculum arrangements than in three years. The only period laid down by the regulations is 4,000 hours, or not less than two years.

J. S. (17/1).—PRESCRIPTION PRICING.—This, according to the London Simplified Pricing System, is as follows:

		d.
Sod. bicarb.	ʒiv.	1.0
Ac. carbol. liq.	♏viij.	1.0
Liq. bismuthi	℥ij.	8.0
Sp. menth. pip.	ʒj.	6.0
Tr. card. co.	ʒj.	6.0
Tr. chlorof. co.	ʒiij.	4.0
P. trag. co.	ʒij.	3.0
Aq. ad	℥xvj.	2.0
Container		5.0
Dispensing-fee		9.0
		45.0
		= 3*s.* 9*d.*

A. R. (24/1).—BOOK ON DISPENSING.—An alternative to "The Art of Dispensing" is Scoville's "Art of Compounding," published by J. K. King & Son, Manchester, at 15*s.* Part V. of Remington's "Practice of Pharmacy" (Lippincott, 35*s.*) is devoted to dispensing.

X. Y. Z. (22/1).—BLACK DYE.—For textiles the logwood and copperas dye is used as follows: Dissolve iron sulphate 4 oz. in water 2 gal., heat to boiling point and immerse the article to be dyed for half an hour or more, taking out the fabric and exposing it to the air occasionally. Next boil logwood 2 lb. in water 2 gal. for an hour and strain, and immerse the articles in the liquid for an hour, expose to the air and re-immerse in the bath for half an hour. Then dry and afterwards wash in soap and water to remove excess of dye, and rinse and dry.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Jan. 14, 1871.

Pills by the Million.

The firm of Messrs. Cox, Son & Co., of which the ex-Mayor of Brighton, Mr. Alderman Cox, is the head, received the other day a telegram from a West End firm to know whether they could undertake the making of a million quinine pills within a fortnight—400,000 pills to be delivered in the first week and 600,000 in the second. Messrs. Cox undertook the work, and a large number of men were constantly employed from early morning till late at night, and we understand that the contract was completed in eight days. Each pill contained a grain and a half of quinine, and nearly 1,000*l.* worth of this drug was used, its value being calculated at the present market price, 6*s.* per ounce. The order was evidently given for the sick and wounded in the war.

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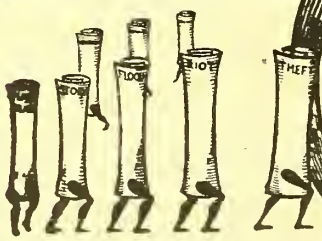

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Flowers	30/-	—	—	4d.
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POWDERED LOCUST... ...	24/-	28/-	3½d.
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4/5-lb. papers, 56 lb. cases ... ... 42/- per cwt.

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4/5-lb. papers, 56 lb. cases	63/-	per cwt.
1-lb. packets do.	74/-	,,
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2d. boxes, 1½-gross cases (6 gross equals 1-cwt.)	13/4	gross

All prices quoted include delivery free to buyers' addresses in 3-cwt. lots and upwards, either in one article or mixed consignment.

JOHN CRAMPTON & Co., Ltd., 357/9 Deansgate, Manchester,

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REVISED PRICES.

ASPIRIN TABLETS, gr. 5

In bottles of 25 @ **3/9** per dozen bottles.
" 50 @ **5/3** " "
" 100 @ **8/3** " "
In bulk @ **4/9** per Thousand
Terms :—Net, without engagement, carriage paid.

Customer's name and address printed free of extra charge on Medicinal Tablet orders of not less than 6 dozen bottles.

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PROPRIETORS—
Chemicals & By-Products, Ltd.,
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PERFECTLY FINISHED.
GUARANTEED STRENGTH.

SACCHARIN TABLETS

Average over 7000 to pound.

Quantity.	½ grain 330.	⅓ grain 330.	¼ grain 330.
1 lb.	46/-	34/6	27/6 lb.
7 lb.	45/-	33/6	26/6 "
14 lb.	44/-	32/6	25/6 "
100's boxes	9/-	7/-	6/- doz.
200's "	16/6	13/6	11/- "

Less 6/- per gross in gross lots.

All other kinds of tablets, bulk or packed, supplied at lowest rates.

Private Formulæ made up.

Ask for particulars and samples.

Cash with Order, Post Paid.

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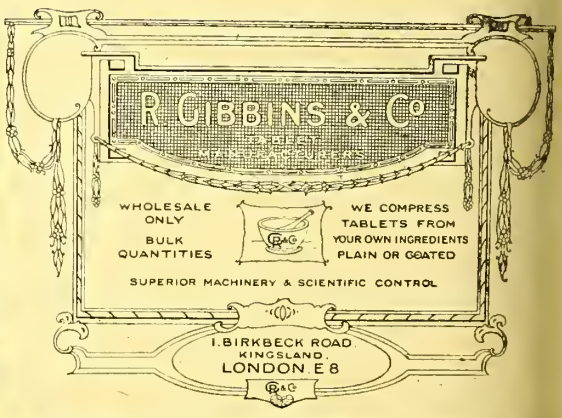

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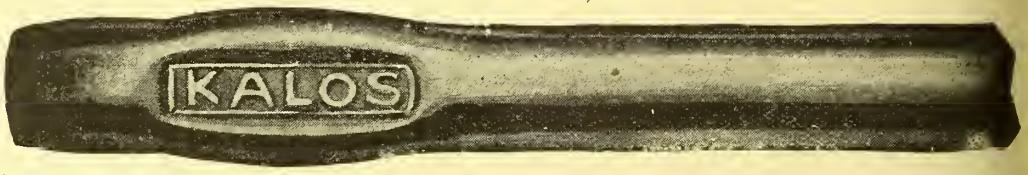

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Snowfire is being consistently advertised.

Above is one of our SMALL advertisements.

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January 29, 1921.

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Advertised Price.		Minimum Retail Price.	Minimum Wholesale Price.
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7½d.	Semprolia Snow-White Petroleum Jelly (1 oz.) ...	7½d.	5/- dozen
10d.	Ditto ditto (2 oz.) ...	10d.	6/8 ,,
5d.	Semprolia Yellow Petroleum Jelly (1 oz.)	5d.	3/6 ,,
7½d.	Ditto ditto (2 oz.) ...	7½d.	5/- ,,
6d.	Pomade (1 oz.)	6d.	4/- ,,
9d.	Ditto (2 oz.)	9d.	6/- ,,
	Enolin Tooth Paste		
1/3	Strong, medium & mild (tubes)	1/3	10/9 ,,
9d.	Ditto ditto	9d.	6/6 ,,

Revised prices come into force Feb. 1st, 1921.

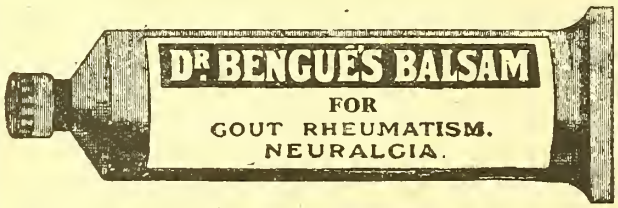
Notice to the Trade.

OWING to increased cost of freightage and railway charges we are reluctantly compelled to announce that on and after January 1, 1921, all our goods will be carriage forward from our London Warehouse.

The cost of carriage to us in the past four or five years has more than trebled, and we have stood this loss with the hope of a reduction, but seeing the future shows no tendency in this direction, we have no alternative but to adopt this measure. Any orders on hand will, of course, be filled carriage paid.

Thanking you for your esteemed interest in the past.

The CHAS. H. PHILLIPS CHEMICAL CO.
14 HENRIETTA ST., COVENT GARDEN, W.C.2.



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EMULSIONS **Cod Liver Oil Emulsion,** packed and in bulk. Prepared from Norwegian Oil by the most up-to-date process.

Petroleum Emulsion, packed and in bulk.

SYRUPS. . . We specialise in all classes of Medicinal Syrups. Our Syrup Ferri Phosph. Co., Syrup Hypo. Co., &c., are unrivalled for brilliancy, taste & keeping properties.

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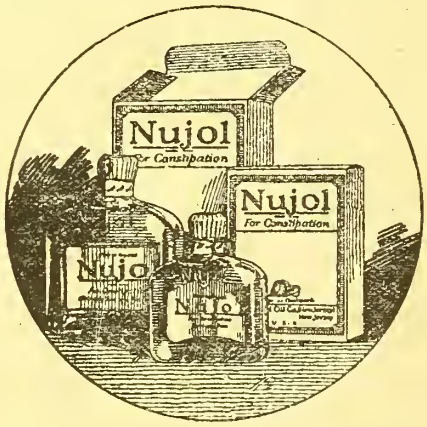

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Extracts: Solid, Powdered and Fluid; Pills, Tablets, Elixirs, Syrups, Capsules, Cachets, Flavouring Essences.

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Manufacturing Chemists

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Branch Laboratories: Windsor, Ont., Canada, and Sydney, Australia
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Musterole Breaks up Colds and Relieves Pains.

Tell your customers that Miller's Musterole is a quick and efficient remedy to stave off a cold or to relieve bruises, pains, sprains, sore muscles, etc. This external remedy hardly ever fails to bring quick relief.

Because the effect of Musterole is akin to that of the mustard plaster—without the mess of the plaster or the oft-times distressing blister—it is everywhere endorsed by leading doctors and nurses.

Our strong and far-reaching advertising campaign in the important newspapers and magazines throughout the United Kingdom is introducing Musterole to an entirely new public. Order your Musterole to-day and be prepared to meet the demand. Prices and all information sent upon request.

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All Reactions of the Body Fluids and Tissues are Colloidal.

Collosols are pure and stable colloidal solutions, isotonic and isomorphic with the elements of the body.

CROOKES' Collosols

Collosols are tested by ultra-microscopic, bacteriological, and clinical experiment.

The Modern Scientific Method of Administering well-known Drugs.

COLLOSOL ZINC CREAM

(Cremor Collosol Zinc 10%.)

NON-GREASY AND NON-IRRITANT.

From ancient times Zinc (as oxide or carbonate) in the form of ointments and lotions has been employed by the medical profession as an application for the skin on account of its healing and soothing effect.

In zinc ointment, the penetrative power of the zinc is largely due to the lard in which it is mixed. Where grease is an objection and a superficial action is desired, a suspension of the zinc in water or glycerine and water is usually prescribed.

Cremor Collosol Zinc combines the advantages of both the above. Being in the colloidal state, the zinc, on account of the infinite subdivision of the particles, has considerable penetrative power, particularly if the cream be applied and then well rubbed in.

Supplied in 2 oz. Pots.

COLLOSOL SULPHUR BATHS

To prepare a Sulphur Bath one bottle of the concentrated sulphur should be emptied into an ordinary bath of about 20 gallons of hot water. The bath is not only of great service in the treatment of skin affections, gout, and rheumatism, but also induces a healthy condition of the skin.

Collosol Sulphur Baths are inoffensive, contain no impurities, and do not injure the bath, but care should be taken to keep the bath quite clean.

Supplied in 4 oz. Bottles and in cases of 12 Bottles.

Collosol Sulphur is also supplied for internal administration.

COLLOSOL FERROMALT

A combination of Pure Malt Extract with Colloidal Iron, rich in protein, diastase and vitamines—the essentials for perfect carbohydrate metabolism. In this colloidal suspension Iron does not cause constipation or digestive troubles.

COLLOSOL FERROMALT with HYPOPHOSPHITES.
COLLOSOL FERROMALT with GLYCEROPHOSPHATES.

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OLIVE OILS, finest cream edible, B.P.
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LUBRICATING OILS of all descriptions

JAMES ARNOTT & SONS, Ltd., Newcastle-on-Tyne and Cardiff.
Registered Offices: 47 PILGRIM STREET, NEWCASTLE-ON-TYNE.

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In 2-oz. Jars,
1/- each
8/- doz.

P.A.T.A.
In Tubes,
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The 50% Profit Line

Now being advertised in the "Daily Mail," "Daily Mirror," and also various magazines and weeklies.

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Showcards, Booklets, etc., Free on Request

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Slabs, Bars, Tablets or Discs

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All Waxes Refined, Bleached and Manufactured at our Works, REDHILL, SURREY

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Exactly the same quality as supplied in bulk to Decorators, and one coat is equal to two coats of ordinary household paints.

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PAINT AND VARNISH MANUFACTURERS,
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REDUCTION IN PRICE.

OSMOS

The Great British Aperient Water

Trade Terms, Now ... ... 22/- per dozen bottles, Carriage Paid

Retail Price, Now ... ... 2/6 per bottle (P.A.T.A.)

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MALT & COD LIVER OIL

Prepared only from the Finest East-Coast Barley, combined with the best Norwegian Non-Freezing Cod Liver Oil.

Packed in Screw-Capped Jars, Bottles and Tins, holding 1 lb. and 2 lb. Neatly Labelled and Wrapped. Customer's Name printed on Labels for Orders of 1 Gross and upwards.

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Supplies from all Wholesalers

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Manufacturers of

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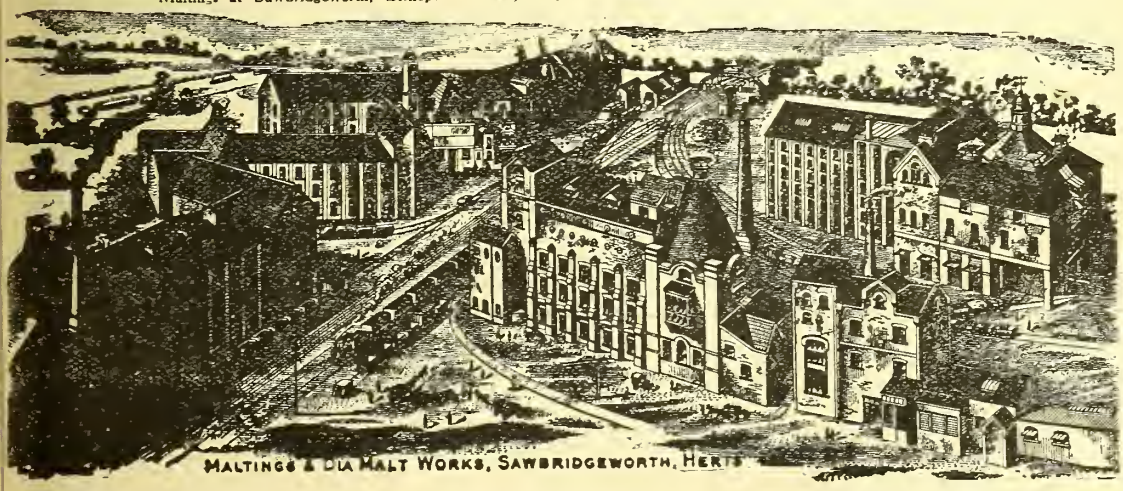
Head Office: SAWBRIDGEWORTH, HERTS.

Maltings at Sawbridgeworth, Bishops Stortford, Bury St. Edmunds, Newmarket and Newark-on-Trent.



Think of the thousands of people who are on the look-out for a winter-time "Quencher" for their parties.

There are 8,000,000 people in the United Kingdom who will be intensely interested in this new fruit drink. They will be delighted with its unique flavour—its undoubted fruity quality, which is so individual and characteristic.

QUENCHOLEEN HOT CUP

will prove a good proposition for you. It is not only a ready seller—but its merit makes it a ready "repeater."

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What are you doing to meet this ready market? Are you allowing it to pass, or are you trading it through your till?

The Terms are shown here—and give an indication of the generous profit the line carries. Get in on your population NOW with HOT-CUP—and secure your share of the big business.

TRADE TERMS:

16/- per dozen cartons (13 packets to the carton).

Retails at **2/-** per Packet.

Discount: 7½% C.W.O.; 2½% 14 days.

1	gross cartons ...	2½%
5	" " ...	5%
10	" " ...	7½%
20	" " ...	10%

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THE BEST AND SAFEST INFANTS' MEDICINE OF OVER 120 YEARS' STANDING.

DOES NOT CONTAIN any SCHEDULED POISON.

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possess great nutritive and restorative powers, being immediately digested and absorbed by the stomach Although effective stimulants in physical and mental exhaustion, they contain no wine or other deleterious admixture.

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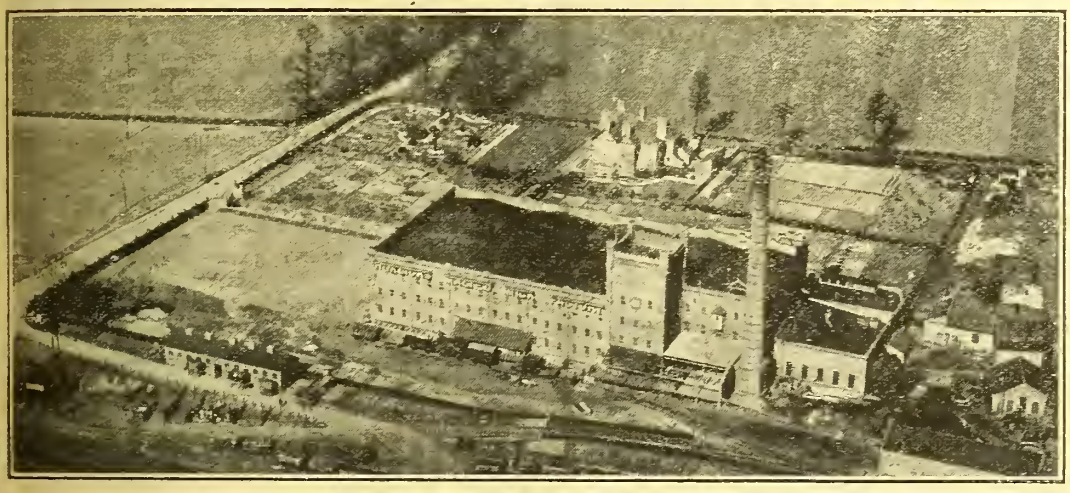
HORLICK'S MALTED MILK

THE ORIGINAL



An aerial view of the works at Slough, Buckingham, England, where all the

HORLICK'S MALTED MILK

Supplied in Great Britain is Produced.

PRICE PROTECTED - - 2/-, 3/6, 15/-

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SLOUGH, BUCKS, ENGLAND.

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Made in Canada. Highest Quality.

SHAWINIGAN

GLACIAL - 98/100%
80% pure edible

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For supplies of Acetic Acid in the United Kingdom, write to the distributors—

A. Boake, Roberts & Co., Ltd.
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Stocks held in London and Liverpool

Saint-Raphael

Tonic, Restorative, Digestive Wine.

Known throughout the World, and prescribed in all cases of ANÆMIA, DEBILITY, and CONVALESCENCE, to Young Women, Children and the Aged.

DOSE: One wine-glass after the two principal meals.

Recommended by—
PROF. BOUCHARDAT, Professor of Hygiene, Paris Faculty of Medicine.
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"For more than thirty years St. Raphaël Wine has been exclusively prescribed, with success, in the Paris hospitals as a pure tonic, by eminent physicians, such as Magendie Roston Chomel, Velpeau, Requin, Monneret, Trousseau, Grisolle, Laënnec, &c."—*Union Médicale*, May 8 and June 12, 1873.

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Vinum Xericum

BUTTS.	HOGSHEADS.	QR. CASKS.
108 galls.	54 galls.	27 galls.

STRENGTH 17°

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The Medical Profession are recommending VITMAR for delicate Children and Invalids.
If you do not yet stock it your wholesaler will supply you.

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Why Doctors prefer VIROLAX to the ordinary Laxatives

The Nutrient Laxative

DOCTORS know the risk of overloading the system in cases of irregularity. Bulky food when not digested is apt to aggravate the trouble and so increase the growth of bacteria in the bowel. This danger is avoided by Virolax, which is an effective Laxative, and supplies essential nourishment in a light, compact, and easily digestible form. Mere purgatives tend to weaken the system still further, but Virolax strengthens the organs while cleansing them.

Virolax combines the nutritive properties of Virol (egg, bone marrow and malt extract) with liquid paraffin. It is a perfect lubricant, and, as a result of its method of manufacture, free from the well-known drawbacks of ordinary medicinal Paraffin. It is so pleasant in flavour that children and adults take it gladly.

Virolax is packed in 4 oz. and 16 oz. tins at 1/- and 2/8, and is supplied to the Trade in one dozen boxes at 10/- and 27/- per dozen. Terms: £3 orders carriage paid, less 5%. On orders over £5 an extra discount of 5% is allowed on condition that window display is made. These terms will also apply to combined orders for Virol and Virolax to the value of £3 and £5.

Virolax

(*Registered Trade Mark*).

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SEAMLESS ENEMAS

		Per doz.— s.	d.
Fig. 987.	The "**B.E.M.**" (best English make) with bone rectal pipe, etc., complete in card box	26	0
	,, in superior card box	29	0
	,, in leatherette case	32	0
	,, extra large and stout, the finest article made	36	0
	Special Line, red unpolished, stout, in card box	30	0
	,, ,, in leatherette case	36	0
988.	The "**Empire,**" black polished in card box	30	0
	,, ,, in leatherette case	36	0
275.	Warne's patent pulse valve enema, arabesque rubber, in card box	42	0
	,, ,, ,, in leatherette case	48	0

AIR CUSHIONS

Fig. 1194. The "**Empire**" red indiarubber Air Cushion.

Diameter -	14 in.	15 in.	16 in.	17 in.	18 in.	19 in.	20 in.
Each -	8/-	9/-	10/-	11/-	12/-	14/-	16/-
Square shape ,,	12/-	13/6	15/-	16/6	18/-	19/6	22/-

A discount of 5 % for prompt cash is allowed on all amounts of 10/- and upwards. Money returned if goods are not satisfactory. Write for illustrated price list, post free for the asking.

BURGE, WARREN & RIDGLEY, LTD.

91 & 92 GREAT SAFFRON HILL, LONDON, E.C.1

Your printer will give you

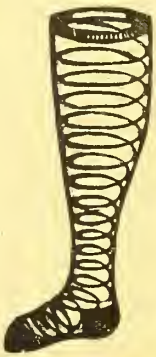
Jones' Non-Curling Gummed Paper

for your Labels if you ask for it.

Tompkins' Corner.

REDUCTION IN PRICES.

Our Offer This Week.



Elastic Thread Stockings.
Sizes 1 to 7 ... ... 9/- pair.

Leggings, Knee Caps & Anklets.
6/6 pair.

Catheters.
Red Rubber, Funnel Ends, Super Satin Finish 12/- doz.

"Ciro" Cot and Muff Warmer.
Rubber (on Showcard) 33/- doz.
P.A.T.A. 4/- each.

"Resto" Soap Stand.
Rubber (and Showcard) 12/- doz.
P.A.T.A. 1/6 each.

Surgical Rubber Goods of all kinds for Home and Overseas.

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THE RUBBER HOUSE,
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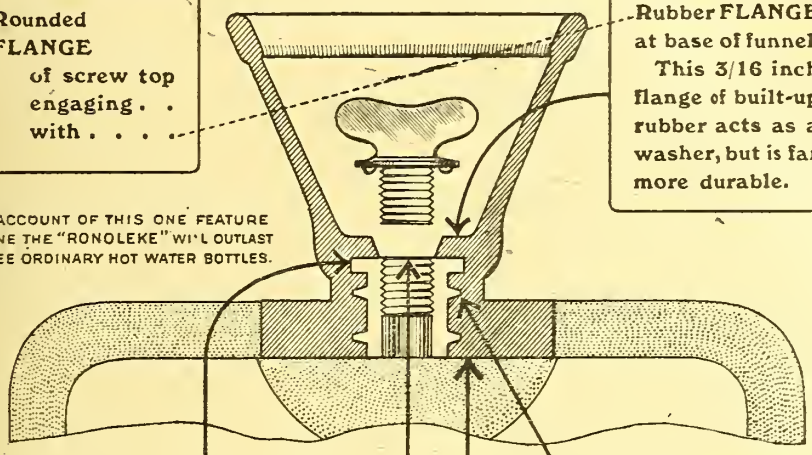
Established 45 years. Phone: City 7640.

The reasons why It Never Leaks



Rounded FLANGE of screw top engaging . . with . . . .

Rubber FLANGE at base of funnel. This 3/16 inch flange of built-up rubber acts as a washer, but is far more durable.

ON ACCOUNT OF THIS ONE FEATURE ALONE THE "RONOLEKE" WI'L OUTLAST THREE ORDINARY HOT WATER BOTTLES.

Wide METAL FLANGE of socket embedded in built-up rubber.

Projecting LUGS of patent socket embedded in built-up rubber, preventing the socket from revolving when tightening up or removing screw top.

Aperture at base of funnel. This makes the funnel a real funnel. There is no water left after filling.

Built-up RUBBER firmly joined to body of bottle, so that not a particle of water can leak through. It holds socket securely in position without wiring.

"Ronoleke" REGD.

To be obtained from all wholesale Druggists' Sundriesmen.

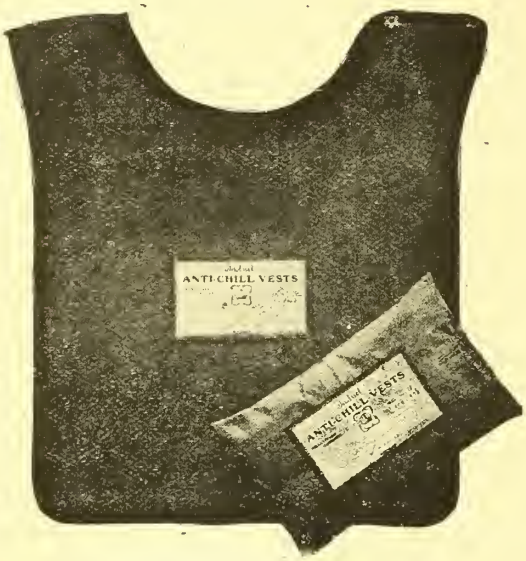
PRICES.

Size	Min. Wholesale Prices to Retailers	Min. Retail Prices to Public
6× 8 in.	5/–	6/5 each
6×10 ,,	5/6	7/1 ,,
7×10 ,,	5/9	7/4 ,,
6×12 ,,	5/10	7/6 ,,
7×11 ,,	6/–	7/9 ,,
8×10 ,,	6/3	8/– ,,
7×12 ,,	6/6	8/4 ,,
6×14 ,,	6/6	8/4 ,,
8×12 ,,	7/1	9/2 ,,
9×12 ,,	7/5	9/7 ,,
8×14 ,,	7/8	9/11 ,,
10×12 ,,	7/11	10/2 ,,
10×14 ,,	8/11	11/5 ,,
10×16 ,,	9/9	12/7 ,,
12×14 ,,	9/11	12/8 ,,
12×16 ,,	10/6	13/6 ,,

Prices Protected on P.A.T.A. List.

[3]

WINTER IS HERE



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Colds and Chills are Prevalent.

BE PREPARED!

And get a stock of

"Fastnet" Anti-Chill Vests

Made of Golden Fleecy Material.

Size No. 3	...	12″ × 9½″	...	29/- per dozen
„ 4	...	13″ × 10½″	...	31/- „
„ 5	...	14¾″ × 12″	...	33/- „
„ 6	...	16″ × 15″	...	36/- „
„ 7	...	18″ × 16½″	...	38/- „

Similar lines:

"Fastnet" Chest Jackets ... sizes 1 to 8
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Manufactured by the "Fastnet" Surgical Dressing Co., Ltd.

Sole Agents—

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RIGOLLOT'S MUSTARD LEAVES

FOR PLASTERS.
THE ORIGINAL.
THE **ONLY** GENUINE.

7d., 1/- & 1/7 Packets
5/3, 9/-, 14/3 per Doz.

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GOOD SELLING LINES, GOOD PROFITS, AND ABSOLUTE SAFETY IN STOCKING

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STOCK IS RETURNABLE AT ANY TIME, FOR ANY REASON, AND FULL PRICE REPAID.
For Prices and Samples apply to
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Union St., and Market, LEEDS,
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SEA-TANGLE TENTS

(Laminaria Digitata)

For dilating the OS and CERVIX UTERI.

Quotations wanted for
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Vulcanite DOUCHE FITTINGS
" Spare Parts
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BONE SHIELDS
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French CAPPING SKINS (opaque and transparent)

TOOTH COMBS
(Best Galalit)

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Cheap lines in NAIL FILES (bone and steel) carded

SAFETY RAZORS and spare blades.

French SHAVING BRUSHES

NAIL CLIPPERS.

TOOTH BRUSHES
at low prices.

And all kinds of Surgical and Hygienic Rubber Goods.

Effective, Showy, and Very Saleable

Losall's - - Ball-Room Floor Polish

For quickly producing a perfect Polish on Floors for Dancing.

Handsome three-coloured Enamelled Tin, Perforated Top.

P.A.T.A. 1/6 Per Dozen, 13/6

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Wholesale and Export Drug Merchants and Manufacturing Chemists,

HULL.

Careful Mothers insist on the NESTLÉ FEEDER

The superiority of the Nestlé Feeding Bottle is so obvious that doctors are advising it, nurses are recommending it and mothers insist on having it. Nothing is good enough for their little ones but a bottle which is perfect in hygienic construction; which cannot possibly harbour dirt or disease germs and which ensures that the food is taken without undue effort or excessive air.

Nestlé's Feeding Bottle is constructed throughout on scientific principles, it is impossible for the child to detach the teat and rubber valve which automatically cling and are made from pure plantation rubber. Colic is prevented because the flow of air behind the milk is systematically regulated. The feeder, made of virgin glass, can be tilted to and will remain at any desired angle. Its capacity is 10-oz., and every part, including the box, is thoroughly sterilized before leaving the factory.

NESTLÉ Feeding Bottle

the Cheapest full-sized Feeding Bottle on the Market.

Easy to sell; brings good profit and rapid turnover. Write to-day for full details and current trade price list.

NESTLÉ'S (Advert. Dept.),
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FREDK. FINK & CO.,
10 & 11 MINCING LANE, LONDON, E.C. 3.
SPECIALITIES.—Gums Arabic and Tragacanth as imported or finely powdered.

PRECIPITATED CHALK
Lightest and Whitest, also Purest Dense
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PROTECTS from all weathers, preserves the COMPLEXION
MOKOL SOFTENS ROUGH HANDS FACE CREAM FOR THE SKIN **MOKOL**
Reg. INDISPENSABLE IN THE HOME Reg.
For LIBERAL Wholesale Terms write to—
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The Evan-Williams
Always in Great Demand.
Price List on Application.
The Evan-Williams Co., Ltd., 18, Ogle Street, W.1.
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BEUTOL Egyptian Toilet Preparations
are on sale at all Wholesale Chemists, or direct from the Manufacturers at the following prices:
BEUTOL Vanishing Jelly ... 10/- doz. BEUTOL Beauty Milk ... 16/- doz.
BEUTOL Hair Tonic ... 20/- ,, BEUTOL Shampoo Powders 24/- gross
BEUTOL Egyptian Perfume 28/- ,, BEUTOL 2-oz. Brilliantine 16/- doz.
BEUTOL 1-oz. Brilliantine ... ... 8/- doz.
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ATOMIZERS and SPRAYS
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ALL CHEMISTS SHOULD STOCK **ABDINE**
THE GOLD MEDAL FRUIT DRINK.
Quick Seller. Big Profits. Over 40 years' Reputation.
"Abdine" is the most popular Health Drink, superior to all Mineral Waters. Sold in Packets, 2d. each.
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DUNCAN McGLASHAN, LTD., ABDINE WORKS, WESTFIELD ROAD, EDINBURGH.

2d. HERBS
Insist on "Castle Brand."
MEDICINAL : CULINARY
16/- PER GROSS.
Special Terms for Wholesalers.
WM. FOX & SONS, Wholesale Botanic Druggists, SHEFFIELD.

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(White or Coloured).
With inscriptions in any desired tint; also Plain or Embossed.
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The "ANTAPSAL" NASAL APPLIANCE (invisible when worn) is patented in Great Britain and abroad. It is a transparent, self-acting, continuous and curative Inhaler, which rests with feather lightness quite naturally *inside the no strils*, and may be worn with complete comfort and without attracting attention in the street, at work or asleep, and charges every breath with a soothing health-restoring medicament. Quickly clears nose, throat and chest, relieving stuffed nostrils and hard breathing. Can be applied easily or removed in a moment, and carried in a waistcoat pocket ready for use. A simple, harmless, pleasant and effective scientific remedy; everywhere approved by medical men, the nobility, clergy, and others who have tried it.

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The Appliance is in use in the leading Hospitals. Numerous testimonials have been received from eminent users.

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Extremely Elastic, but contains no Rubber.

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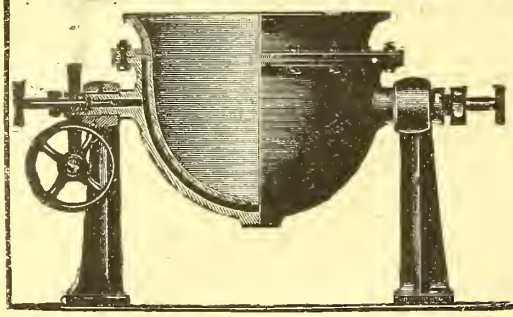

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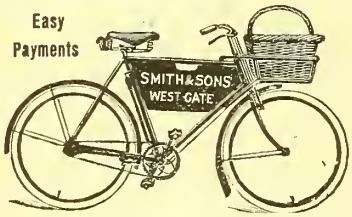

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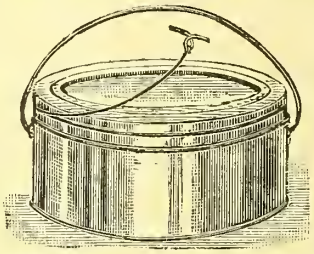

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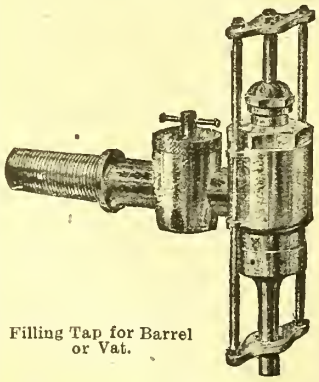

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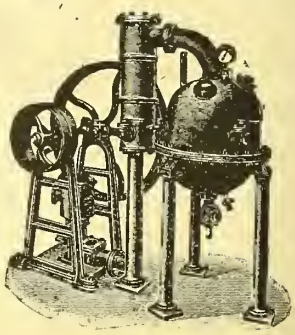

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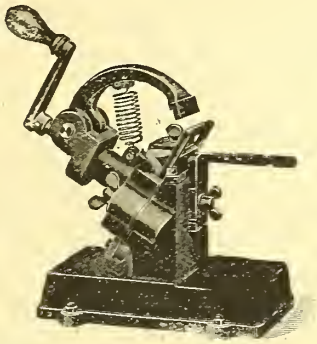
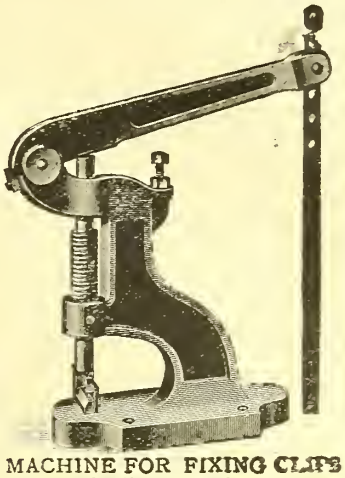


MACHINE FOR CLOSING AND FOLDING COLLAPSIBLE TUBES. Suitable for all sizes of tubes. ⅜" to 1½" dia.



MACHINE FOR FIXING CLIPS to ends of collapsible tubes.

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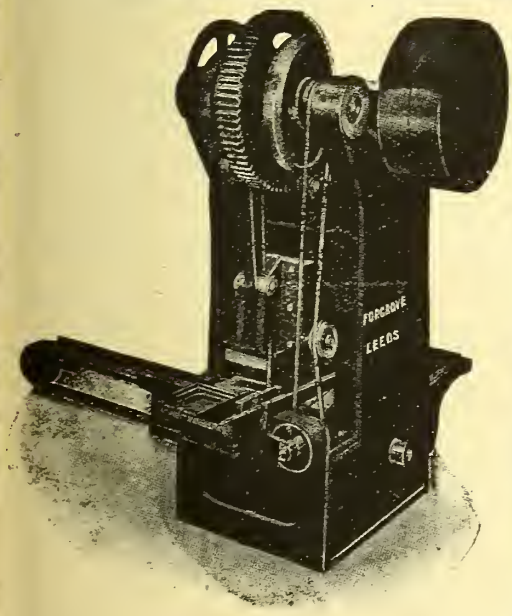

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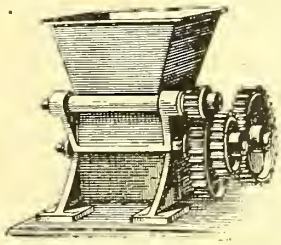

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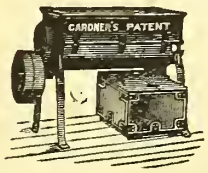

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We Specialise in the Manufacture of

GLASS STOPPERED BOTTLES

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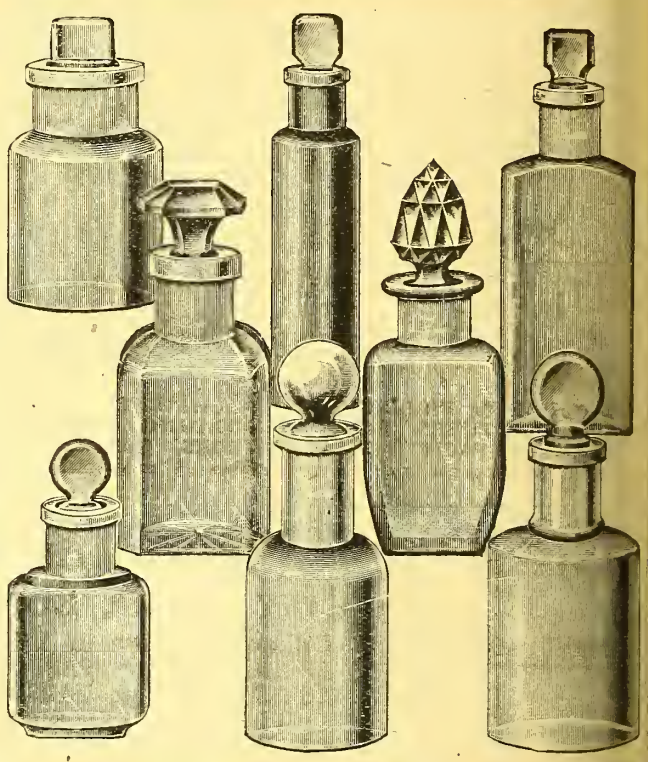

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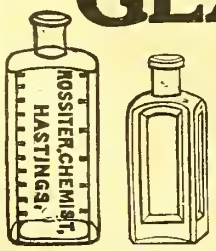

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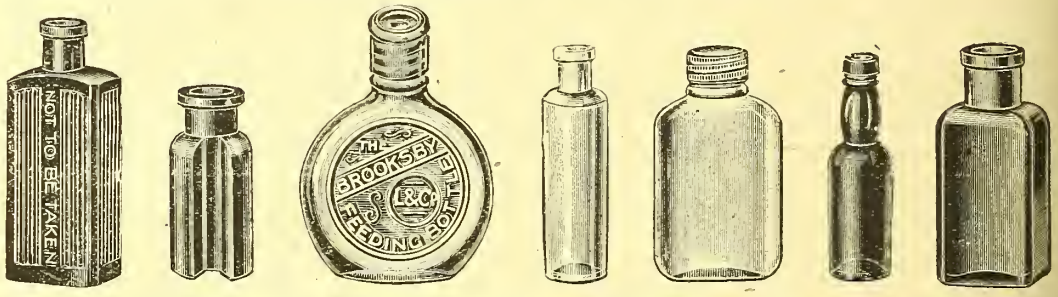

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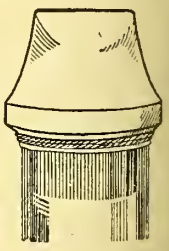

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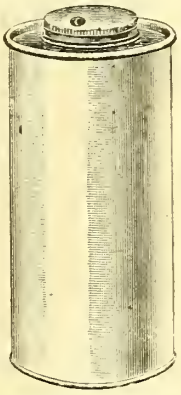

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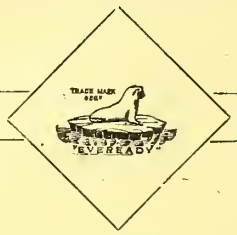

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POSTAL BOX

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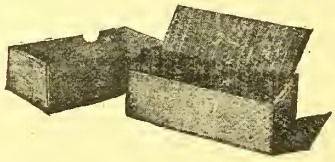
IS A RELIABLE BOX TO USE

A POSTAL BOX MUST BE LIGHT, TO SAVE POSTAGE, AND STRONG TO SAVE BREAKAGES. BECAUSE OF ITS PATENTED FEATURES AND CAREFUL MANUFACTURE THE "EVEREADY" POSTAL BOX COMBINES THESE TWO QUALITIES IN THE HIGHEST POSSIBLE DEGREE.



NOTICE ITS STRONG POINTS:

THE LID IS THE SAME DEPTH AS THE BOX. THERE ARE THREE THICKNESSES OF MATERIAL ROUND EACH SIDE OF THE BOX.

THE MATERIAL USED IS EXTRAORDINARILY STRONG IN COMPARISON WITH ITS WEIGHT. A SEPARATE TAB IS PROVIDED FOR THE STAMP TO PREVENT DAMAGE WHILST BEING POSTMARKED. THE BOX IS LINED THROUGHOUT WITH A HIGH GRADE CORRUGATED BOARD.

NO GLUE—NO SEALING WAX—NO MESS.
JUST PUT THE LID ON AND IT IS READY FOR THE POST.

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BOX MAKERS TO THE CHEMIST TRADE.

TRADE MARK.

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No. 5

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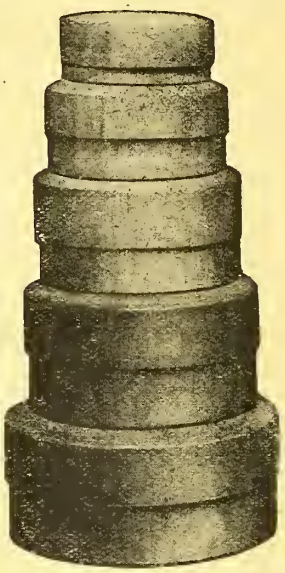

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The bottoms cannot fall out.

Greaseproof.

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R 325. 3/6

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6D. and **6½D.** per roll.

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READY FOR IMMEDIATE DELIVERY.

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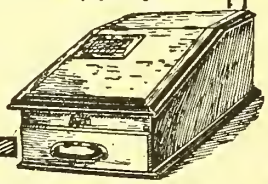

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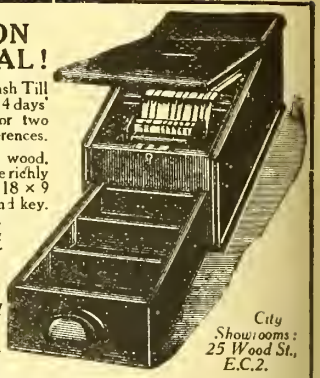

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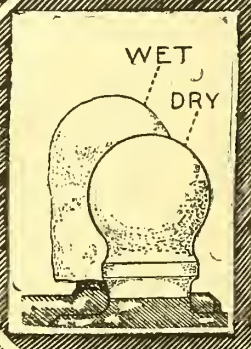

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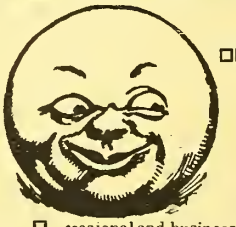

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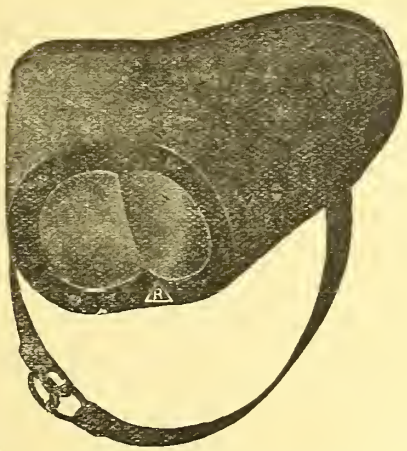

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2 CANNON ST. ONDON, E.C.4.

JANUARY 29, 1921

's Supplement is inserted in every copy of The Chemist & Druggist

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MISTS.—High-class Dispensing, Photographic, and Family hemist's in main road, within three miles of Royal Ex-, for disposal through death of proprietor; corner shop; house; pleasantly situated; newly decorated; private en-; returns £100 per week, all cash; lease over 14 years 5 per annum; capital required for purchase of lease, good-ixtures, fittings, and good, well assorted stock, £4,000. rther particulars apply to Mr. Oscar Berry, 16 Monument E.C. 3.

For Sale, Manufacturing and Wholesale Optician's Establish-ent in Manchester; well equipped, with all modern chinery in perfect condition and replete with good working everything in readiness for immediate commencement of ss; approximate price £3,500. Full particulars from Dutton, rong & Co., Accountants, 4 Piccadilly, Manchester.

GENUINE old-established, high-class city Business; West of England; excellent profits; for quick transfer as a genuine concern; £2,300; good reasons for disposal; no agents; rticulars in return for bankers' or other satisfactory refer-Apply 269/28, Office of this Paper.

MANUFACTURING Chemists' and Toilet Specialities, situated S.W. suburb and within 3 minutes stations; splendid small y, warehouse, and office premises; held on long lease at ow rent; several valuable Proprietary lines (registered arks), in which big business could be done; price for stock, s, fittings, goodwill, and lease, £2,500; to a provincial requiring a London depôt in order to save distributing s this offers a good opportunity. "Souwest" (P.C.B.), Office of this Paper.

SMALL Drug Store, in working-class district; average £17 weekly; scope for increase; three rooms attached; rental d.; stock and fittings at valuation, goodwill £100—about in all. Apply "Lancashire" (269/20), Office of this Paper.

FINANCIAL.

for 50 words or less; 6d. for every additional 10 words or less, prepaid.

LONDON Limited Company of Manufacturing Chemists is open to appoint new Director, with £1,000-£1,500, for pment of its Foreign business; profits of this department ont at high percentage. Write, in first instance, for inter-P.C.B. 56/35, Office of this Paper.

AGENCIES.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

AGENT wanted, with good connection, to carry as side-line Sundries, such as smart Rubber and Waterproof Bathing Caps, etc.; commission basis; traveller with good connection could make extra £4 5s. weekly in commission; state ground covered and lines now carried. Surgical Supply Co., 4 Piccadilly, Manchester.

AGENTS.—Wanted, Wholesale and Retail Chemists for our speciality in Rats and Mice Exterminator (Qillandqner); this is something new, reliable, and effective; scientifically prepared to meet the requirements of schools, institutions, mansions, etc.; no nuisance results from its use; prior to placing on the market a short time ago the proprietors used it successfully for 20 years without a single failure; write for full particulars, terms, etc., also list of genuine testimonials from leading schools, colleges, mansions, etc; being extensively advertised, should meet with ready sale. Unique Rat Exterminating Co., Copster Green, Salesbury, Lancs.

CHEMISTS wanted in every town in the United Kingdom to act as local Agents, to sell Dentifrice, scientifically prepared according to the formula of Dr. Meyenrock, F.M.G.; nicely packed in two sizes, in aluminium box; attractive show-card; very special terms offered; correspondence invited. Apply 267/37, Office of this Paper.

COMMISSION Agent, with personal connection Midlands and Manchester, would like sound proposition, Sundries, Proprietaries, etc.; would collect own accounts; 3 months' journey. Apply 270/26, Office of this Paper.

MANUFACTURING CHEMISTS.—Representative in Belfast is open to make a change or take on additional agencies; at present calling on all the leading houses (Wholesale and Retail) in Belfast and North of Ireland. Apply 266/21, Office of this Paper.

WANTED, Manufacturers' Agent, well connected in Wholesale and Retail Grocery and Chemist trades, and employing a staff of Travellers covering whole or greater part of London and the Home Counties; plenty of scope and excellent terms to suitable applicant. Write 263/210, Office of this Paper.

5,000 AGENTS wanted; commission basis; those having established connection amongst Chemists and leading Grocers preferred; good proprietary line much in demand. Replies, stating experience and ground worked, to "H. J. H." (267/22), Office of this Paper.

PARTNERSHIPS.

The **Advertiser** may, it preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

LONDON Wholesale Chemists are open to entertain a Partner; splendid opportunity for keen business-builder with small capital; only gentleman with sales-organising ability and first-class knowledge of the trade considered; capital required, about £700. Apply 268/37, Office of this Paper.

A VACANCY occurs with London firm of Wholesale Chemists for Partner; to a man with some capital, ability for travelling, and capacity for hard work a sound income is assured; preference will be given to qualified man, but not essential. Write, in first instance, full particulars to 56/350, Office of this Paper.

HYDROCHLORIC ACID.—Buyer, estimated consumption 5 to 10 tons weekly, Woolwich area, desires close working arrangement with manufacturer favourably situated, or invites correspondence joint manufacture. Reply Key Industry, c/o Messrs. Deacons, Leadenhall Street, E.C.

PARTNERSHIP.—Advertiser, with large connection amongst Chemists and Druggists, both Wholesale and Retail, of 25 years' standing, would invest £2,000-£3,000 in a progressive Wholesale Business; must be a sound, paying concern and stand investigation; replies in strict confidence. Apply 268/40, Office of this Paper.

QUALIFIED Lady Optician, experienced, would like to join a Lady Chemist in business, or would work up Optical branch in connection with Chemist's business; Southern county preferred. "F.S.M.C.," 6 Arnewood Road, West Southbourne, Bournemouth.

SITUATIONS OPEN.

RETAIL.

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

BRADFORD.—Part-time Assistant; male or female; must be able to Dispense; state terms. "Bradford" (268/300), Office of this Paper.

CLIFTON.—Assistant required; unqualified preferred; easy hours; to live in; must be a good Dispenser. Apply, giving full particulars as to age, experience, photo, and salary required, to Burnett, 31 Collingwood Road, Redland, Bristol.

EASTBOURNE.—Smart, young, unqualified Assistant required about February 17th; must be quick and accurate Dispenser with good high-class experience. Full particulars, including age, height, references, and salary expected (outdoors), to Andrews & Co., Carlisle Road, Eastbourne.

EXETER.—Junior or Improver (outdoors) immediately; good Dispenser; knowledge Photography; suit prospective part-time student at local Pharmacy College. Photo, salary required, to 268/2, Office of this Paper.

GRANGETHORPE HOSPITAL (Ministry of Pensions), Rusholme, Manchester.—Assistant Dispenser required; applicant must be an ex-service man; must hold the diploma of the Apothecaries' Hall, and should be familiar with Army documents. Apply Medical Superintendent.

IPSWICH.—Required for Middle-class business, unqualified Assistant, about 28, or young qualified seeking experience; Eastern Counties man preferred. State age, height, experience, and salary required, G. N. Edwards, Chemist, Ipswich.

LONDON.—Required, lady, with Pharmaceutical Society's qualification, for a General Chemist's business in a working-class neighbourhood. Please state salary expected and give references to "Pharmacist" (269/17), Office of this Paper.

LONDON, N.W.—Unqualified lady Assistant, experienced in Dispensing and Counter work, for middle-class business; outdoors. Apply, stating usual particulars and salary required, to "Gentian" (266/23), Office of this Paper.

LONDON, S.W.—Assistant (outdoors) wanted (February 15th) for Light Retail and Dispensing. Apply, with full particulars as to salary required, experience, age, etc., to Coleman, 81 Nightingale Lane, Balham, S.W. 12.

LONDON, W.—Assistant, male, unqualified or qualified, required in high-class Dispensing and Retail business (outdoors); must be experienced. Apply, by letter only, giving full particulars as to age, references, and salary required, etc., to G. W. Gray, 194 Holland Park Avenue, W. 11.

MANCHESTER.—Wanted, a capable and energetic Assistant for brisk business in industrial area; must be a quick and accurate Dispenser, but expected to take a fair share in any part of the business. Apply, stating age, references, and salary required, to Butcher & Simmons, 329 Chapel Street, Salford.

NEAR MANCHESTER.—Unqualified lady Assistant required for N.H.I. Dispensing and Counter work; must be thoroughly experienced in both; no Sunday duty. Address, stating age, experience, and salary required, with photo, 265/6, Office of this Paper.

PLYMOUTH.—Assistant for high-class Dispensing, Photographic, and Light Retail business; short hours. State age, experience, and salary required, to 268/9, Office of this Paper.

SOUTH WALES.—Qualified Manager required immediately; fine opportunity for energetic man wishful to get on; must be married; house free. "S. W." (268/3), Office of this Paper.

BOUTALLS LTD. require at once a qualified man to manage branch, also qualified man for half-day and other relief duty. Apply Boutalls Ltd., 150 Southampton Row, W.C. 1.

IMMEDIATELY, a capable Dispenser who has been accustomed to good-class work; accurate, quick, and methodical; 44-hour week; must be well recommended. State age, salary required (outdoors), and all particulars, to Fowler & Co., Chemists, Redhill.

JUNIOR, February 21st; lady or gentleman. State age, experience, salary to Willis, Pharmacist, Broadway, Cardiff.

JUNIOR wanted, February 1st; must have had Dispensing experience, knowledge of Developing and Printing and full particulars first letter, C. J. Roe, Chemist, Epsom.

QUALIFIED lady Dispenser (Minor) required shortly, 70s.; non-resident; 48 working hours; Retail experience advantage; state age, when disengaged, and enclose copies testimonials. Apply 269/2, Office of this Paper.

QUALIFIED lady Assistant required for 3 months (possibly permanently); must be careful and accurate Dispenser. Apply with particulars of experience, salary required, etc., to 268/7, Office of this Paper.

QUALIFIED Assistant (35 to 45 years of age), used to Retail and National Health Insurance Dispensing; suitable and easy berth to conscientious man. Apply, stating age and giving reference, Fletcher Waterhouse, 125 Bowling Lane, Bradford, Yorks.

RELIABLE unqualified Assistant, male, age 22-25, for cash and N.H.I. Dispensing; easy hours; one not afraid of work; good appearance and address. Full particulars to A. Kitching, Oakengates, Salop.

WANTED, Male Junior for Light Retail and Dispensing Business; smart, good appearance and address. Apply J. A. Johnson, Chemist, 54 Barber Road, Sheffield.

WANTED, smart Junior, to take charge of Photographic Toilet Department; must be accustomed to Developing, Printing, and Enlarging; good prospects for keen, progressive man. State full particulars to Herbert A. Mills, 3 Croxted Road, Dulwich.

WHOLESALE.

WEST OF ENGLAND AND SOUTH WALES.—Representative required by Wholesale Packers for the above districts; substantial commission given and good connection already established. Applicants should have had experience in this class of goods, and preferably with connections of their own for the trade. "B. F. M." (266/26), Office of this Paper.

A FRENCH house requires a Representative, known in the trade, for the sale of high-class Perfumery. Apply Dupont & Co., 18 Fore Street, London, E.C. 2.

FOREWOMAN; smart, energetic worker, good disciplinarian; knowledge of time records; must be experienced in Toilet and finishing Toilets and Pharmaceuticals. Apply, stating experience, age, wages required, etc., to 25/10N, Office of this Paper.

MANUFACTURERS of well-known Food Products and Medicines require Representatives, whole- or part-time, with connection in the Grocery and Chemists' trades in the following counties: Derby, Nottingham, Leicester, Rutland, Northampton, Huntingdon, Cambridge, Bedford, Hertford, Buckingham, Oxford, and Sussex; liberal terms of commission and plenty of scope to first-class applicants. Write, stating clearly ground covered and give references, to 263/21, Office of this Paper.

PERFUMERY Traveller required for Southern Counties; must have had experience in the trade. Apply, in confidence by letter, with full particulars and terms required, to Atkinson, Ltd., 1 Southwark Park Road, Bermondsey, S.E. 16.

REPRESENTATIVE wanted by London firm manufacturing well known proprietary article. Write, in confidence, giving full particulars and salary required, to "H." (P.C.B 56/11), Office of this Paper.

REPRESENTATIVE wanted by firm of Manufacturing Chemists for South Coast; salary and commission; Drugs, Medicines, Packed Goods, and Tablets; previous connection essential. Apply by letter, 37/19T, Office of this Paper.

REPRESENTATIVES required to introduce new Shampoo Powders on commission. These are good quality, well packed, profitable lines, and should command a ready sale. Write, stating ground covered, lines carried, and terms, 267/34, Office of this Paper.

REPRESENTATIVES required by firm of Wholesale Chemists for North of England, also Wales and S.W. England; connection among Chemists essential; liberal terms to suitable men. Apply by letter, giving experience, 37/190, Office of this Paper.

CAL INSTRUMENTS.—A Manager required for this partment by a leading provincial firm; a good knowledge pædic and general fitting necessary; one with London e preferred. Applications, stating experience, age, and equired, to 278/30, Office of this Paper.

LLER wanted to take up well-known old-established prietary Article as an extra line; good commission and es to right man; whole country, or any district; agency Canada, U.S.A., etc. Apply Philippe Henri, Edmondstage, Bournemouth.

ELLERS wanted (good commission), with connection ong Chemists; new Proprietary article. Write "Daily re Deacon's, Leadenhall Street, E.C.3.

ALIFIED ladies, with good Retail experience, who are able disciplinarians and desire to be appointed as super- the packing department of a Wholesale house in the should send full details of experience, together with quired, to "K. O. H." (39/2U), Office of this Paper.

TED, the services of a Technological Chemist, with hest qualifications, for position of principal Chemist in f a Central Chemical Department for Research in con- with agriculture, foodstuffs, and industrial chemical ures; must be able not only to undertake researches of being utilised on a commercial scale, but also to e and supervise the analysis and testing of foodstuffs, and other articles of commerce. The position will be nsultative and executive, and applications, which will d in strictest confidence, must be sent in not later than 8th, stating age, salary required, and details of ex- addressed to 267/39, Office of this Paper.

DEPARTMENT.—Vacancy will shortly occur in a pro- cial Wholesale house for an unqualified man of experience; e will be given to an energetic ex-service man, who te full particulars of experience and salary required in nce, to "H. C. L." (39/20U), Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

Advertiser may, if preferred, have replies addressed to this and forwarded on payment of an additional charge of 1/-.

IAL.—Junior qualified Assistants, desirous of settling a progressive, healthy British Colony, should write, e and other details, to "Colonial," c/o Bean, 279 Tooley ondon, S.E. 1.

R.—Assistant required by high-class French Chemist near mps Elysées; small knowledge of French essential; 0 francs weekly to commence; excellent opportunity to language and French Pharmacy. Write full particulars & Price, Ltd., Manufacturing Chemists, 44 St. Paul's Camden Town, N.W. 1.

HESALE.—SOUTH AFRICA.—A smart, pushing Assistant ired for Wet Department, single; age not less than 23; aid out; progressive salary, under a three-years' agree- mencing at £20 per month. Apply, by letter only, to td., 12-14 Lafone Street, Tower Bridge, London, S.E. 1.

SITUATIONS WANTED.

[HOME.]

RETAIL.

2s. 18 words or less; 6d. for every additional 10 words or less, prepaid.

Advertiser may, if preferred, have replies addressed to this Office and forwarded on payment of an additional charge of 1/-.

A.—PHARMACIST, 31, modern business methods, Salesman and Dispenser, Continental and Store 4½ years' France as chief Dispenser, desires work of iption; London. Apply 267/29, Office of this Paper.

A.—QUALIFIED; West-End experience; good refer- ences; good Dispenser; disengaged. Apply P.C.B. 19, fice of this Paper.

A.A.A.—COMPETENT Pharmacist; single; 32; qualified 10 years; disengaged; any locality; good experi- ence and references; moderate remuneration. "C.," Rutland Lodge, Star Street, Ryde, I.W.

A.A. ASSISTANT, unqualified (24); good all-round experi- ence; careful Dispenser; good appearance; Locum or permanent; good references; London, Midland or Eastern Counties preferred. Apply 268/28, Office of this Paper.

A GOOD OFFER.—Qualified (26); experienced Manager, Assis- tant; change, Wednesday, North preferred; business or- ganiser; progressive, trustworthy; Photography, Prescribing. Apply 14/33H, Office of this Paper.

A QUALIFIED woman (not girl) Dispenser wants post; long experience; interested in work; seaside town liked, not essential. "Beta" (268/14), Office of this Paper.

A QUALIFIED Chemist as Manager or Assistant; 20 years' experience; permanency preferred; moderate salary. Davies, Ty Cwrdd, Llwynhendy, Llanelly.

A QUALIFIED Chemist (25) desires situation; South Lancashire region preferred; Assistant or Branch Manager; splendid references; available February 21st. A. W., "Grafton," Ruabon.

ADVERTISER (unqualified), many years' experience as Assistant, requires post as Dispenser-Secretary; excellent testimonials; disengaged. Jones, The Hall, Llanfyllin.

AS Chemist's Assistant (25); knowledge of French; served 3 years' apprenticeship; 12 months at Bath College of Pharmacy. M.L. 16450, Office of this Paper.

AS Manager or Assistant; 17 years' qualified experience; excel- lent references. Apply 267/36, Office of this Paper.

AS Manager, competent Pharmacist, capable Optician; accus- tomed to town or country business; 45; abstainer; un- married; permanency preferred; unimpeachable references. Apply 267/35, Office of this Paper.

AS Manager or Locum; qualified; disengaged; Prescriber; re- liable; with or without view to succession. Stone, 47 Queen's Road, Watford.

ASSISTANT, unqualified, 12 years' experience, Wholesale, Retail, Continental, speaking French and Italian fluently, good French Dispensing experience, seeks appointment at home or abroad; Wholesale or Retail; excellent references; free in one month; anywhere. E. R. Mickleburgh, Pharmacie Anglaise, 28 Rue Bab-Azoun, Algiers, North Africa.

ASSISTANT; qualified; single; 22; good Dispenser, Counter experience, Window-dressing, Photography; disengaged. "C. C.," Ferndale, Prior Park Road, Bath.

ASSISTANT, 39, 21 years' high-class experience, also Photo- graphy and Extraction, two years present situation, desires change; Guildford-Portsmouth district preferred; highest refer- ence. Apply 268/11, Office of this Paper.

ASSISTANT, 24, deferred one subject, Mat. Med., good-class Retail and Dispensing experience, seeks position where know- ledge of Optics may be obtained. "Statim," 1 Legard Road, Highbury, N. 5.

ASSISTANT or Dispenser, 30, married, desires situation in Retail or Wholesale. Apply M.L. 51039, Office of this Paper.

ASSISTANT Dispenser (43), married; Assistant's certificates (Dispensing). M.L. 52908, Office of this Paper.

ASSISTANT, unqualified (24), married; 4 years' experience as Dispenser and Assistant. M.L. 42289, Office of this Paper.

RETURNING PHOTOS, &c.

Advertisers in this section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.

ASSISTANT, unqualified, middle-age, single, disengaged; first-class West-End Dispensing and Retail experience; excellent references. H. Capon, 172 Warwick Street, Ebury Bridge, S.W.

ASSISTANT to Chemist or Dispenser to Doctor; young lady (Hall); 4½ years' experience Dispensing, Counter, Photography, Window-dressing. Tedham, 137 Howarth Road, Plumstead.

ASSISTANT, unqualified (29); married; 10 years' experience, Dispenser and Assistant. "G. H.," 21 Tonsley Hill, Wandsworth, S.W. 18.

ASSISTANT, excellent all-round experience, especially N.H.I., desires change, Senior, or position of trust. Apply "Spero," c/o 18 Spotland Road, Rochdale.

ASSISTANT, unqualified (25), highest references, smart, energetic and trustworthy, requires permanent position; all-round experience, including Photography. Particulars, salary offered, "C.Y.M.S.," 96 Chapel Street, Luton.

ASSISTANT, unqualified, five years' experience, desires position in Northern Counties; accurate Dispenser, Photography, and Galenicals; good references. Apply 270/5, Office of this Paper.

BIRMINGHAM DISTRICT.—Part-time or few hours weekly Locum; Pharmacy, Surgery, or Institution; 14 years' Retail; College trained; competent Dispensing, Dentistry, Prescribing, Photography. "Chemicus," 103 Bristol Street, Birmingham.

BRANCH Manager or Assistant; 50; disengaged; unqualified; N.H.I. Dispensing and Counter experience; accustomed Store trade; undeniable references; London only; please state terms. Stevens, 15 Fletching Road, Clapton, E. 5.

COMPETENT Assistant (27); unqualified; first-class Dispensing and Retail experience; Photographic; able to take charge; good references; disengaged. Apply "Medinal," 10 Chalcot Gardens, Belsize Park, N.W. 3.

DEMOBILISED Officer desires position as Chemist; 40; married; educated Manchester University; colloquial French and Welsh; knowledge company law and finance. Apply M.L. 97877, Office of this Paper.

DISENGAGED; 34; tall; unqualified; married; 20 years' all-round experience; capable and energetic. Davidson, 207 Fountains Road, Liverpool.

DISENGAGED; qualified; æt. 46; wide experience; Manager or Locum; London preferred. "Chemist," 108b Elgin Avenue, W. 9.

DISENGAGED.—Manager or Temporary; elderly; qualified; quick Dispenser; N.H.I. Full particulars, I. A., 17 Prince's Road, Wimbledon, S.W. 19.

DISPENSER, Lady (Hall) seeks post with Doctor or in Institution; three years' experience with Doctor and in high-class Pharmacy. Apply E. H., 13 Lincoln Road, East Finchley.

DISPENSER (27), married; 3 years' experience as Assistant. M.L. 75250, Office of this Paper.

DISPENSER for Doctor or Institution, served for duration of war as civilian, requires re-engagement; good military and civilian testimonials. Address "S.," Agha, 14 Blatchington Road, Seaford, Sussex.

DISPENSER, lady (Hall), Chemist, Doctor, and Hospital experience, excellent testimonials, requires post, whole or part time. Apply P., 6 Park Hill, W. 5.

DISPENSER; Wholesale and Retail experience; whole or part time. Whitehead, 3 Bevan Street, Islington, N.

DISPENSER (Hall), lady, desires post, London; whole or part time; Institution or Doctor; testimonials. Apply 269/38, Office of this Paper.

DOCTOR'S Daughter requires Dispensing post; thorough experience many years; whole or part time; London district. "Medicus," 56 Dovercourt Road, East Dulwich.

EASTERN COUNTIES.—Qualified (27), single, desires permanency; excellent experience and references; moderate salary; disengaged. Apply 269/8, Office of this Paper.

EVENINGS (2) and Saturdays (half-day); Minor tall; experienced, competent; moderate terms. South Parade, Chelsea, S.W. 3.

EX-SERVICE man, Captain and Quartermaster, desire as Dispenser; 45; married; 16 years' experience; Army service. Apply M.L. 100347, Office of this Paper.

EX-OFFICER (25), Square-trained, 2½ years qualified to multiple shop, desires post in good private b gain experience; small salary; or would consider situa view to succession. Replies to 269/15, Office of this Pa

EXPERIENCED Salesman, Dispensing, Photographic dresser; unregistered; 30 years; 6 ft.; permanent February 1st. Scot, 12 Cliff Terrace, Margate.

F.S.M.C., M.P.S., requires position, permanen porary; excellent London and pro perience; would build up Optical connection. Please tioulars to A. E. Thompson, Loakes House, High Wycom

GENTLEMAN, qualified, requires situation; high-cla ence in fashionable health resort; fluent French height 5 ft. 4 in.; excellent references. "Energetic" Office of this Paper.

JUNIOR; unqualified; 21; 3½ years' experience; moder Dispensing, knowledge of Photographic trade; ac getic. Williams, 50 Rhosddu Road, Wrexham.

LADY (20), Dispensing and Counter experience, seeks with Doctor or Chemist; 3½ years present situat Window-dresser; knowledge Photography. Apply 266/ of this Paper.

LADY Assistant requires post; Minor qualifications; experience and testimonials; Chemist, Doctor, or I London or near. Apply 270/29, Office of this Paper.

LADY Dispenser and Bookkeeper requires post wit experienced; disengaged. Apply 267/33, Offic Paper.

LADY Dispenser (Hall); whole or part time; Londo good testimonials and experience. 14 Broxholm R Norwood.

LADY Dispenser (20), unqualified, desires full-time po West London; Bookkeeping if required; moder (outdoors). Ashford, 24 Clifton Gardens, Maida Hill,

LADY Dispenser, M.P.S., requires post with Doctor o tion; 2 years' Dispensing experience. Write 270/ of this Paper.

LADY requires post with Chemist; Counter and Dispe perienced; disengaged. Apply 267/330, Office Paper.

LADY, qualified; Locum, permanency; 9 years' Counter, good-class Dispensing; disengaged; sta diately. Apply "M.P.S.," 92 Marsden Road, Burnley.

LOCUM, Manager, Assistant; qualified, reliable; day Birmingham and Leamington districts preferred Balsall Common, near Coventry.

LOCUM; Minor; country; disengaged February 12th; class references and experience Optics, Photograp ing forward. Dewey Pearson, Chemist, Woolston, Sou

LOCUM, Relief, or permanency; town or country; in doors; terms very moderate. "Rhei," 239 Camb Road, S.E.

M.P.S. (25); any capacity; any district. Grosvenor Road, South Norwood.

M.P.S.; middle-aged; energetic; experienced Manager or Locum; London and satisfactory references. "Statim" (270/9), Office of t

M.P.S., capable, reliable, as Manager or otherwi years' first-class experience; excellent Apply 270/10, Office of this Paper.

MANAGER or Assistant; 26; qualified; disengaged perience. Apply 267/23, Office of this Paper.

MANAGER, 27, energetic, trustworthy, and well ex wants control of a quick cash Pharmacy; good Dispensing experience; satisfactory references; terms Apply 267/27, Office of this Paper.

ER; qualified; disengaged; 39; married; total ainer; energetic; good Salesman; business organiser; held tion six years; capital to invest if desired. Heaton, e," Queen's Road, Accrington.

ER or Locum; town or country; qualified; 48; married; gaged; permanency preferred; long experience in all Usual particulars to "C.," 26 Fox Hill, S.E. 19.

ER or Senior (49); Major; good Dispenser, Prescriber, Counterman; long and varied good-class experience; l soon; good references; outdoors; permanency pre- ould do Locum. Anthony, 131 Attercliffe Common,

ER, qualified (44), Prescriber, N.H.I.; 9 years in last tion. Pharmacist, 12 Linwood Street, Greenheys, .

ER or Assistant; qualified; experienced; highest testi- als; moderate salary; disengaged. "M.P.S.," 22 ad, Barnes, S.W.

ER (35), good appearance, 17 years' all-round experi- enterprising, business-builder, French experience, Pre- open to engagement in good-class business. Apply (271/320), Office of this Paper.

ATSON (Bateman & Co.), Finchley Road, recommends te Assistant; unqualified; 42. Fletcher, 11 Kingsdown oway, N. 19.

WEARING, Pharmacist, Woking, highly recommends a fied gentleman, who is also a qualified Optician; trustworthy and reliable Manager. Inquiries addressed nswered with pleasure.

ATION required, part-time, one to three days per week, killed Accountant; many years' experience Drug and es; prepares balance-sheets, tax returns, costings, etc.; ences; reasonable terms. P.C.B. 56/28, Office of this

r whole time; experienced Dispensing, Prescribing. l (good Extractor), Salesman. Smart, 122 Scott-Ellis N.W. 8.

ME engagement wanted by Lady Dispenser and Book- r; thoroughly experienced; Doctor or Chemist. 45 Plympton Road, N.W. 6.

IED; 26; disengaged; Assistant or Branch Manager; experience; terms. Clark, Stanger Street, Keswick.

IED requires position; good experience; Manager, n, or Partner, with view to succession; Lancashire "Pharmacist," 280 Bolton Road, Walkden, near Man-

IED Manager (30), with view to succession; energetic; ent testimonials; London, provincial, and Hospital ex- Apply 269/3, Office of this Paper.

IED; 24; good references; good experience; excellent for decent salary. Apply 270/4, Office of this Paper.

ON required; unqualified; good experience in N.H.I.; to quick Retail; can take charge if required; Window- e 33; long experience; salary by arrangement. Write ." (P.C.B. 56/31), Office of this Paper.

ARY or permanency; good all-round experience; three present situation; interview Thursday afternoon. King's Road, Chelsea, S.W.

LER or Bookkeeper; 26; six years' experience with sts; qualified Bookkeeper. Apply 73169, Office of this

UIFIED; manage or assist; view to interest or pur- preferred, but not essential if comfortable, progres- age 38; good, tactful Salesman and Prescriber; ex- rences; at liberty any time; reside on premises if ndon. "Worker" (269/16), Office of this Paper.

END.—Manager, Branch Manager, or Senior; Minor; ; fluent French; permanency; good Salesman, Or- tiative; highest references, London and French. Apply ice of this Paper.

OM, Pharmacist (Square trained) requires post in high- Pharmacy; good Dispensing and Counter experience; as Manageress; London or South Coast preferred. 2 Lansdowne Place, Hove.

X-SERVICE, 33, qualified, 15 years' Dispensing, Photographic, and Counter experience, seeks responsible position; Wholesale or Retail; knowledge of advertising and French. "J.," 2 The Pavement, Ladywell, S.E.

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YOUNG man has a theoretical training in the medical profession and now seeks a small berth; would welcome inquiries; age 25 years. Quinton, 20 Avenue Road, Kingston, S.W.

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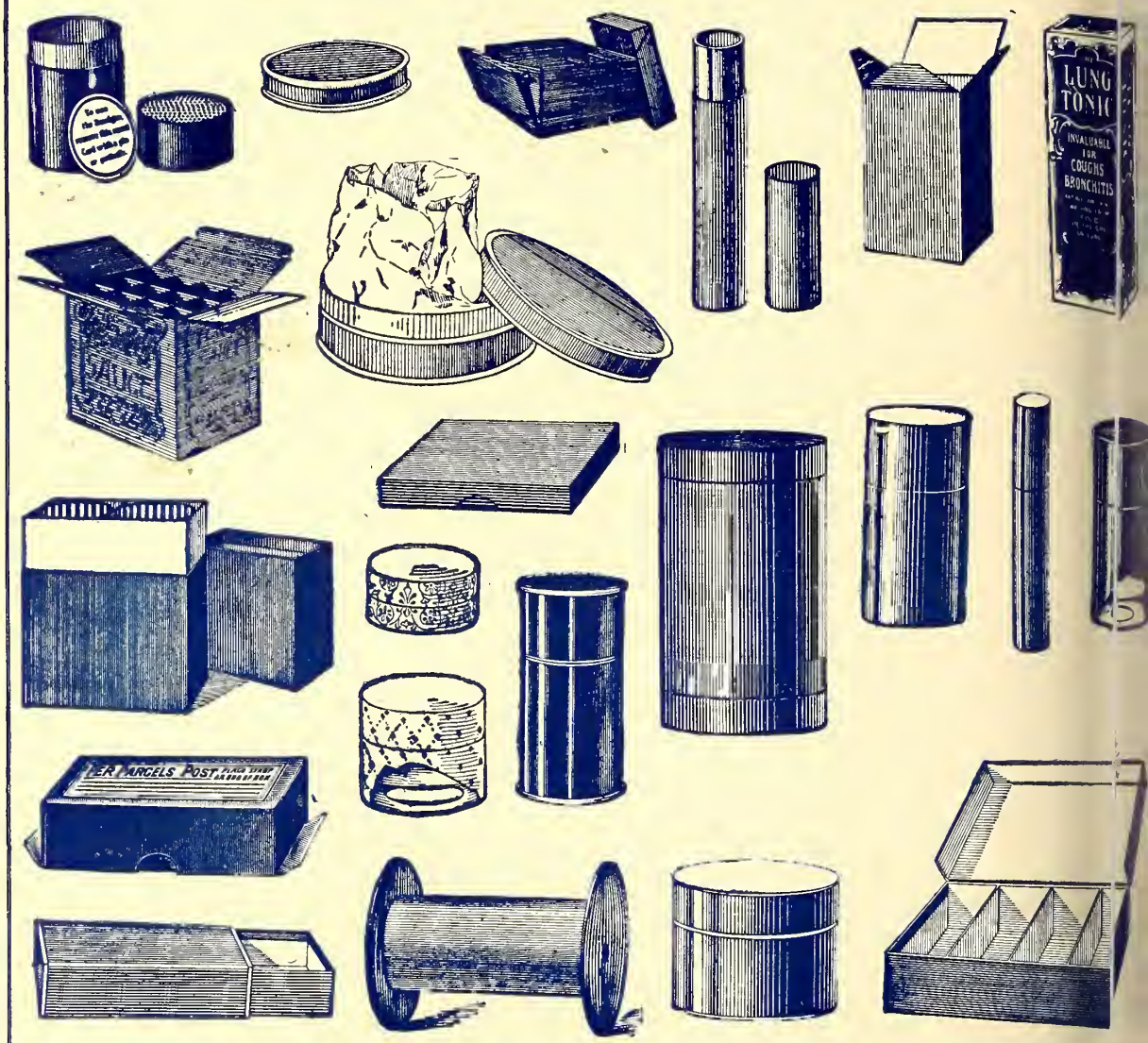

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